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GERMAIN'S
FIFTY-SEVENTH
ANNUAL GARDEN GUIDE

GERMAIN'S FOUR FOREMOST EARLY FLOWERING SWEET PEAS

Sweet Lavender (upper left) 35c pkt. Mrs. Kerr (upper right) 25c pkt.
Eldorado (lower left) 25c pkt. Superior Pink (lower right) 35c pkt.

For descriptions see page sixty-three

One packet of each variety for $1.00 post paid.

D. N. Shoemaker

GENERAL DIRECTIONS TO OUR PATRONS

SEEDS BY MAIL

IMPORTANT NOTE—The weight limits in the 1st, 2nd and 3rd zones have been increased to 70 pounds; in other zones the limit is now 50 pounds

Parcels Post — Since the installation of the new parcels post law seeds, bulbs, tools, plants and garden supplies (excepting poisons and liquids) may be sent by mail to all parts of the United States, including Alaska, Canal Zone, Guam, Hawaii, Porto Rico and the Philippines. Packages are subject to a limit of maximum weight in the first and second and third zone of 70 pounds; in all other zones of 50 pounds. The maximum size of a package is 84 inches for length and largeness of the girth combined.

Zone Rates — May be had by applying to your postmaster, who will tell you which zone you are in with reference to Los Angeles or upon application we will tell you if you supply us with the name of your postoffice.

For Parcels Weighing 8 Ounces or Less, containing seeds, bulbs or books only, the rate of postage to all zones is 1½ cents for 2 ounces or fraction. (Over 8 ounces the parcels post rates apply.).

On shipments weighing 20 pounds or more beyond the 2d postal zone it is cheaper to ship seeds by express. As the express companies give a receipt for each package, it amounts practically to insurance without cost, whereas it costs extra, according to value, to insure a parcel post package. We guarantee the safe arrival in the U. S. of all seeds shipped by express or insured parcel post.

To foreign countries the parcel post rate is 14 cents per lb. Registration where possible is 10 cents. C.O.D. orders can now be sent to Mexico.

FREE DELIVERY

FOR CERTAIN QUANTITIES OF SEEDS

We Deliver Free in the United States and Possessions, and Mexico, by **Parcel Post or Express to any express office at our option all vegetable** and **Flower Seeds** by the **Packet, Ounce and ¼Pound, and up to and including ten pounds. All other articles, including bulbs, are quoted f. o. b. Los Angeles and postage must be added as per table at the right where goods are desired by parcel post.**

Purchasers pay transit charges on larger quantities of seeds, and other merchandise, unless otherwise provided.

Please Order Early, thus enabling us to forward promptly. It will hasten forwarding materially, if customers will kindly make up orders alphabetically, as the goods are listed that way in the catalogue. Seeds are also put in compartments in our stores alphabetically, hence an order can be filled more quickly if it is made out in that manner.

Counter Customers — We suggest to those who purchase in person at our store the advantage of having their lists made out before they call. They may be left and called for later, taken at once, or shipped. In any case it is a great saving of time to the purchaser. The list should have full name and address written on it so that our catalogues may be mailed to the purchaser as issued. We also urge early purchases.

Error in the Filling of Orders — We use the greatest care in filling, checking and packing orders. Yet should anything be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

Remittances may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash send in a Registered Letter. We must decline sending goods C. O. D. unless 25 per cent, of their value accompanies the order.

Accounts — Parties having no account with us — who order goods without remittance — must furnish satisfactory reference.

NON-WARRANTY

The Germain Seed and Plant Company gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

Testimonials from Customers — We are always pleased to hear from our customers regarding the results of their gardens. Photographs of gardens and particularly of vegetables and flowers, are thankfully received by us.

Questions and Correspondence — We endeavor to answer promptly all letters of inquiry — **which should be on separate paper from orders** — but we cannot undertake the planning of entire gardens and grounds

ZONES		1st	2d	3rd	4th	5th	6th	7th	8th
Weight in Pounds	Local	Up to 50 miles from Los Angls	50 to 150 miles from Los Angls	150 to 300 miles from Los Angls	300 to 600 miles from Los Angls	600 to 1000 miles from Los Angls	1000to 1400 miles from Llos Angls	1400to 1800 miles from Los Angls	Over 1800 miles from Los Angls
1	$0.07	$0.07	$0.07	$0.08	$0.09	$0.10	$0.11	$0.13	$0.14
2	.08	.08	.08	.10	.13	.16	.19	.23	.26
3	.08	.09	.09	.12	.17	.22	.27	.33	.38
4	.09	.10	.10	.14	.21	.28	.35	.43	.50
5	.09	.11	.11	.16	.25	.34	.43	.53	.62
6	.10	.12	.12	.18	.29	.40	.51	.63	.74
7	.10	.13	.13	.20	.33	.46	.59	.73	.86
8	.11	.14	.14	.22	.37	.52	.67	.83	.98
9	.11	.15	.15	.24	.41	.58	.75	.93	1.10
10	.12	.16	.16	.26	.45	.64	.83	1.03	1.22
11	.12	.17	.17	.28	.49	.70	.91	1.13	1.34
12	.13	.18	.18	.30	.53	.76	.99	1.23	1.46
13	.13	.19	.19	.32	.57	.82	1.07	1.33	1.58
14	.14	.20	.20	.34	.61	.88	1.15	1.43	1.70
15	.14	.21	.21	.36	.65	.94	1.23	1.53	1.82
16	.15	.22	.22	.38	.69	1.00	1.31	1.63	1.94
17	.15	.23	.23	.40	.73	1.06	1.39	1.73	2.06
18	.16	.24	.24	.42	.77	1.12	1.47	1.83	2.18
19	.16	.25	.25	.44	.81	1.18	1.55	1.93	2.30
20	.17	.26	.26	.46	.85	1.24	1.63	2.03	2.42
21	.17	.27	.27	.48	.89	1.30	1.71	2.13	2.54
22	.18	.28	.28	.50	.93	1.36	1.79	2.23	2.66
23	.18	.29	.29	.52	.97	1.42	1.87	2.33	2.78
24	.19	.30	.30	.54	1.01	1.48	1.95	2.43	2.90
25	.19	.31	.31	.56	1.05	1.54	2.03	2.53	3.02
26	.20	.32	.32	.58	1.09	1.60	2.11	2.63	3.14
27	.20	.33	.33	.60	1.13	1.66	2.19	2.73	3.26
28	.21	.34	.34	.62	1.17	1.72	2.27	2.83	3.38
29	.21	.35	.35	.64	1.21	1.78	2.35	2.93	3.50
30	.22	.36	.36	.66	1.25	1.84	2.43	3.03	3.62
31	.22	.37	.37	.68	1.29	1.90	2.51	3.13	3.74
32	.23	.38	.38	.70	1.33	1.96	2.59	3.23	3.86
33	.23	.39	.39	.72	1.37	2.02	2.67	3.33	3.98
34	.24	.40	.40	.74	1.41	2.08	2.75	3.43	4.10
35	.24	.41	.41	.76	1.45	2.14	2.83	3.53	4.22
36	.25	.42	.42	.78	1.49	2.20	2.91	3.63	4.34
37	.25	.43	.43	.80	1.53	2.26	2.99	3.73	4.46
38	.26	.44	.44	.82	1.57	2.32	3.07	3.83	4.58
39	.26	.45	.45	.84	1.61	2.38	3.15	3.93	4.70
40	.27	.46	.46	.86	1.65	2.44	3.23	4.03	4.82
41	.27	.47	.47	.88	1.69	2.50	3.31	4.13	4.94
42	.28	.48	.48	.90	1.73	2.56	3.39	4.23	5.06
43	.28	.49	.49	.92	1.77	2.62	3.47	4.33	5.18
44	.29	.50	.50	.94	1.81	2.68	3.55	4.43	5.30
45	.29	.51	.51	.96	1.85	2.74	3.63	4.53	5.42
46	.30	.52	.52	.98	1.89	2.80	3.71	4.63	5.54
47	.30	.53	.53	1.00	1.93	2.86	3.79	4.73	5.66
48	.31	.54	.54	1.02	1.97	2.92	3.87	4.83	5.78
49	.31	.55	.55	1.04	2.01	2.98	3.95	4.93	5.90
50	.32	.56	.56	1.06	2.05	3.04	4.03	5.03	6.02
51	.32	.57	.57	1.08					
52	.33	.58	.58	1.10					
53	.33	.59	.59	1.12					
54	.34	.60	.60	1.14					
55	.34	.61	.61	1.16					
56	.35	.62	.62	1.18					
57	.35	.63	.63	1.20					
58	.36	.64	.64	1.22					
59	.36	.65	.65	1.24					
60	.37	.66	.66	1.26					
61	.37	.67	.67	1.28					
62	.38	.68	.68	1.30					
63	.38	.69	.69	1.32					
64	.39	.70	.70	1.34					
65	.39	.71	.71	1.36					
66	.40	.72	.72	1.38					
67	.40	.73	.73	1.40					
68	.41	.74	.74	1.42					
69	.41	.75	.75	1.44					
70	.42	.76	.76	1.46					

Insurance extra, 5c. for each package up to $5.00, 8c. up to $25.00, 10c. up to $50.00.

PARCEL POST WEIGHT LIMIT

The weight limit within the Local, 1st, 2d and 3rd Zones is seventy (70) pounds, within the other Zones it is fifty (50) pounds and the size limit eighty-four (84) inches for combined length and largest girth.

Packages of seed weighing 8 oz. or less can be forwarded anywhere in the U. S. at a cost of one and a half cents for each two ounces, or fraction thereof.

ORDER SHEET
FROM
GERMAIN'S

SIXTH AND MAIN + LOS ANGELES

GERMAIN SEED & PLANT CO.

Los Angeles, California

AMOUNT ENCLOSED

Money Order $.....

Check.....

Cash.....

Stamps.....

TOTAL $.....

Please leave this space blank

For Full Instructions About Ordering, See Inside Cover Page of our Catalog

BE SURE TO FILL IN THESE BLANKS

Name.....Street.....

Post Office.....P. O. Box.....R. F. D. No.....

County.....State.....Express or Freight Office.....

Check how Goods are to be sent? Mail.....Express.....Freight.....Date.....

NON-WARRANTY—The Germain Seed and Plant Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

Pounds	Ounces	Packets	Sundry Articles	NAMES OF ARTICLES WANTED	PRICE $	PRICE Cts.
				PLANTS should NOT be ordered on this sheet		
				CARRIED FORWARD		

Pounds	Ounces	Packets	Sundry Articles	NAMES OF ARTICLES WANTED	PRICE $	PRICE Cts.
				BROUGHT FORWARD		

YOU WILL GREATLY OBLIGE US IF YOU WILL WRITE HERE THE NAMES OF FRIENDS WHO WOULD BE INTERESTED IN RECEIVING OUR CATALOG

NAME	POST OFFICE	COUNTY	STATE

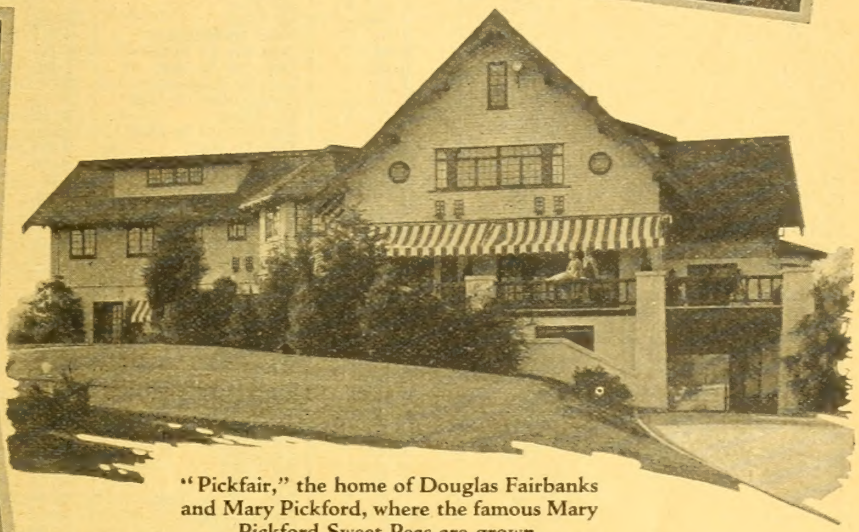
If you wish us to mail our **AUTUMN CATALOG** of Flower, Vegetable and other Seeds for Fall Sowing, mark X in the square. Issued August 15th.........

Home of E. L. Doheny.

Irving Hellman's Residence.

View of Palos Verdes Estates.

William Gibbs McAdoo Residence.

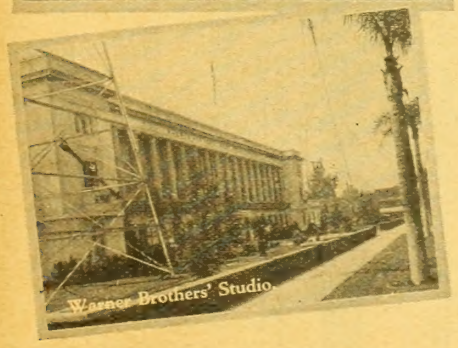

"Pickfair," the home of Douglas Fairbanks and Mary Pickford, where the famous Mary Pickford Sweet Peas are grown.

Home of Antonio Moreno.

Homes Like These

Owe Much of Their Beauty to *Germain's*. Yours, Too, Will Have a New Charm.

Ambassador Hotel.


Warner Brothers' Studio.

Famous people in famous homes of California take pride in planting flowers and shrubs. Each year they order from *Germain's*. And each year their gardens blossom with rare splendor.

On this page you can see them—the most palatial homes of Southern California — all patrons of *Germain's*—all proofs of *Germain* quality since 1871!

That your garden may rival these we publish this California Catalogue. It lists only the highest grade of seeds, plants and shrubs.

Thus we offer a California garden to those who delight in natural beauty.

GERMAIN'S PLANTING CHART

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plts Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants	32 Plants	3000 P	Dec. to April	5 ft.	3 ft.	Next Spring	.....
Artichoke, Jerusalem	3 lbs.	300 lbs.	December to May	4 ft.	3 ft.	Late Summer	3 inches
Asparagus Seed	1 oz.	2 lbs. T.	February to May	6 ft.	3 ft.	Third Spring	1 inch
Asparagus Plants	32 Plants	11000 P	December to May	4 ft.	1 ft.	Next Spring	.....
Beans, Bush	1 lb.	60 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months	1 to 2 inches
Beans, Pole	¾ lb.	50 lbs.	Jan. to September	3 ft.	1½ ft.	2 to 3 Months	1 to 2 inches
Beet, Table	2 oz.	10 lbs.	All year	2 ft.	6 in.	3 to 3½ Months	¾ inch
Beet Stock	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	4 to 6 Months	1 inch
Broccoli	1 Pkt.	4 oz. T.	Nov. to April	2½ ft.	1 ft.	5½ Months	¼ inch
Brussels Sprouts	2 Pkts.	4 oz.	October to May	2½ ft.	1½ ft.	5 Months	½ inch
Cabbage, Early	1 Pkt.	8 oz. T.	All Year	2½ ft.	2 ft.	3 to 4 Months	½ inch
Cabbage, Late	1 Pkt.	8 oz. T.	All Year	2½ ft.	2 ft.	4 to 5 Months	½ inch
Carrot	1 oz.	4 lbs.	All Year	24 in.	6 in.	4 Months	¼ to ½ inch
Cauliflower	¼ oz.	4 oz. T.	June to January	3 ft.	2½ ft.	4 to 6 Months	½ inch
Celery	2 Pkts.	5 oz. T.	January to May	3 ft.	6 in.	4 to 5 Months	Very shallow
Celeriac	1 Pkt.	6 oz.	January to May	1 ft.	2½ ft.	.....	⅛ inch
Chervil	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months	¼ inch
Chives	2 Pkts.	2 lbs.	September to May	30 in.	5 in.	3 to 4 Months	¾ inch
Collards	1 Pkt.	8 oz. T.	All Year	30 in.	15 in.	4 Months	½ inch
Chicory	2 Pkts.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months	¼ inch
Corn Salad	1 oz.	5 lbs.	Feb. to Nov.	30 in.	8 in.	2 to 3 Months	¼ inch
Corn, Sweet	½ lb.	10 lbs.	March to Sept.	36 in.	12 in.	2½ to 3 Months	1 inch
Cucumber	2 Pkts.	2 lbs.	March to Sept.	6 ft.	4 ft.	2 to 3 Months	1 inch
Dandelion	1 Pkt.	¾ lb.	Sept. to April	30 in.	10 in.	3 Months	⅛ inch
Egg Plant	1 Pkt.	4 oz. T.	January to August	30 in.	2 ft.	4 Months	½ inch
Endive	1 oz.	3 lbs.	August to May	30 in.	8 in.	3 Months	½ inch
Garlic (sets)	2 lbs.	300 lbs.	Sept. to March	30 in.	6 in.	5 to 6 Months	.....
Horse Radish	70 Plants	10000 P	December to May	30 in.	18 in.	6 Months	.....
Kale	2 Pkts	2 lbs.	All Year	30 in.	18 in.	2 to 3 Months	½ inch
Kohlrabi	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	4 Months	½ inch
Leek	½ oz.	4 lbs.	Sept. to April	24 in.	6 in.	4 Months	½ inch
Lettuce	3 Pkts.	3 lbs.	All Year	24 in.	8 in.	2 to 3 Months	½ inch
Melons, Musk	2 Pkts.	1½ lbs.	March to July	6 ft.	4 ft.	3 to 4 Months	1 inch
Melons, Water	1 oz.	2 lbs.	March to July	8 ft.	6 ft.	3 to 4 Months	1 inch
Mustard	1 Pkt.	2 lbs.	All Year	4 ft.	2½ ft.	3 to 5 Weeks	½ inch
Okra	1 oz.	8 lbs.	April to July	3 ft.	2 ft.	3 Months	1 inch
Onion seed	½ oz.	3 lbs.	Sept. to April	24 in.	5 in.	4½ to 6 Months	1 inch
Onion sets	2 lbs.	300 lbs.	All Year	18 in.	3 in.	2 to 4 Months	.....
Onion Seed for Sets	2 oz.	40 lbs.	All Year	2 ft.	Drill	2 to 3 Months	.....
Parsley	1 Pkt.	4 lbs.	All Year	24 in.	6 in.	3 Months	Very shallow
Parsnips	2 Pkts.	6 lbs.	All Year	30 in.	8 in.	4 Months	½ inch
Peas	1 lb.	75 lbs.	All Year	36 in.	3 in.	2 to 4 Months	2 inches
Pepper	1 Pkt.	6 oz. T.	January to July	36 in.	18 in.	3 to 4 Months	½ inch
Potatoes	5 lbs.	600 lbs.	Dec. to Sept.	36 in.	10 in.	2 to 3 Months	5 inches
Potatoes, Sweet	70 Plants	10000 P	March to July	36 in.	18 in.	3 to 4 Months	3 inches
Pumpkin	2 Pkts.	2 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months	1 inch
Radish	1 oz.	12 lbs.	All Year	18 in.	3 in.	1 to 2 Months	½ inch
Rhubarb	2 Pkts.	4 ozs.	January to April	5 ft.	3 ft.	2nd Spring	½ inch
Rhubarb Roots	33 Roots	3000 P	December to May	5 ft.	3 ft.	Next Spring	2 inches
Salsify	.....	8 lbs.	February to Oct.	30 in.	4 in.	4 Months	1 inch
Spinach	1 oz.	20 lbs.	All Year	24 in.	2 in.	40 to 65 Days	1 inch
Squash, Bush	2 Pkts.	3 lbs.	February to Oct.	4 ft.	3 ft.	2 Months	1½ inch
Squash, Running	2 Pkts.	2 lbs.	February to Aug.	8 ft.	6 ft.	3 to 4 Months	1½ inch
Tomato, Seed	1 Pkt.	3 oz. T.	February to Aug.	5 ft.	3 ft.	4 to 5 Months	½ inch
Tomato, Plants	35 Plants	3000 P	March to Oct.	5 ft.	3 ft.	2 to 3 Months	.....
Turnip	2 Pkts.	4 lbs.	All Year	24 in.	6 in.	3 to 4 Months	½ inch
Turnip Swede or Rutabaga	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months	½ inch

T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

FIELD SEEDS	Lbs. per Acre
Alfalfa	20
Beans Field	
Tepary	10
Pink	30
Navy	20
Sojo	30
English or Broad	50
Buckwheat	30
Clover	
Alsike	10
Burr Clover	15
Crimson	15
Egyptian	15
Japanese	20
Melilotus Indica	20
Melilotus Alba	15
Red	15
White	12
Corn	
Field	10
Ensilage	75
Egyptian	6
Kaffir	6
Feterita	6
Milo Maize	6

FIELD SEEDS	Lbs. per Acre
Corn (Cont.)	
Egyptian Wheat	6
Broom	15
Flax	30
Grain	
Barley	100
Oats	80
Rye	60
Spelts	50
Grass	
Alfileria	5
Aus. Salt Bush	1½
Bermuda	10
Brome	20
Crested Dogstail	30
Ky. Blue for Pasture	50
Ky. Blue for Lawn	175
Orchard	35
Rye	10
Red Top	15
Timothy	20
Hungarian	30
Mesquite	35
Hemp	25

FIELD SEEDS	Lbs. per Acre
Grass (Cont.)	
Sudan Drill	3
Sudan Broadcast	10
Millets	
Pearl, Drills	6
Pearl, Broadcast	30
Common	30
German	30
Hungarian	40
Japanese	35
Siberian	30
Peas, Field	
Canadian	75
Blue Prussian	75
Garbanza	40
Lentils	40
Pea, Cow	
Whippoorwill	50
Blackeye	30
New Era	50
Peanuts in Shell	35
Rape	5
Rice	80
Sunflower	4

Catalog Prices Subject to Change Without Notice.

Due to extremely unsettled conditions in the seed market this year we find it necessary to make all catalog prices subject to change without notice. At all times we shall have in mind our customers' welfare, and prices will be consistent with the market.

SPACING AND NUMBER PLANTS PER ACRE

Distance Apart	No. of Trees or Plants per Acre	Dist. Apart	No. of Trees or Plants per Acre
3 by 4 in.	522,720	6 by 8 ft.	907
4 by 4 in.	392,040	6 by 9 ft.	806
6 by 6 in.	174,240	6 by 10 ft.	726
1 by 1 ft.	43,560	7 by 7 ft.	888
1½by 1½ft.	19,360	8 by 8 ft.	680
2 by 1 ft.	21,780	9 by 9 ft.	537
2 by 2 ft.	10,890	10 by 10 ft.	435
2½by 2½ft.	6,960	11 by 11 ft.	360
3 by 1 ft.	14,520	12 by 12 ft.	302
3 by 2 ft.	7,260	14 by 14 ft.	222
3 by 3 ft.	4,840	15 by 15 ft.	193
3½by 3½ft.	3,555	16 by 16 ft.	170
4 by 1 ft.	10,890	16½by 16½ft.	160
4 by 2 ft.	5,445	17 by 17 ft.	150
4 by 3 ft.	3,630	18 by 18 ft.	134
4 by 4 ft.	2,722	19 by 19 ft.	120
4½by 4½ft.	2,150	20 by 20 ft.	108
5 by 1 ft.	18,712	25 by 25 ft.	69
5 by 2 ft.	4,356	.....	...
5 by 3 ft.	2,904	30 by 30 ft.	48
5 by 4 ft.	2,178	33 by 33 ft.	40
5 by 5 ft.	1,742	40 by 40 ft.	27
5½by 5½ft.	1,440	50 by 50 ft.	17
6 by 6 ft.	1,200	60 by 60 ft.	12
6½by 6½ft.	1,031	66 by 66 ft.	10
6 by 7 ft.	1,031		

GARDEN AND FARM HELPS

THE SOIL

The soil is an important factor in successful gardening, yet all that is needed in the average garden is thorough spading up or plowing of the soil, and the addition of a little plant food each year to compensate for the crop which has been removed.

Occasionally, however, soils are found to be entirely too heavy or too sandy, or to contain too much alkali at the surface. Strangely enough, the best remedy for all these conditions is one and the same, namely: the addition of humus or decayed vegetable or animal matter to the soil. Organic matter prevents close packing of the soil particles in heavy soils, correcting stickiness and baking.

In light soils it helps to retain moisture, adds fertility and in time builds up a sandy loam which is the best of all soils for general purposes.

IRRIGATION AND CULTIVATION

Irrigation and cultivation are closely related, for indeed the first is of little real value without the other.

Furrow irrigation is very generally used for all kinds of crops in California. The water is allowed to run, in a slow stream, between the plant rows, in a ditch or furrow prepared for that purpose.

Irrigation by flooding is resorted to when the plants are grown rather closely in beds. Ridges six or eight inches high are raised around the beds and they are then flooded until the soil is thoroughly soaked.

Frequency of irrigation is largely a matter of soil and exposure, but the soaking must be thorough and the effect should be made to last by persistent cultivation. The depth to which the hoe may be allowed to go is governed by the crop. In cultivating deep rooting plants, stir the soil to a depth of five or six inches. For crops with shallow, spreading roots, three or four inches is the limit.

SEED SOWING

Seed should be sown in soil which has been thoroughly moistened by recent rains, by irrigation or watering. As soon as the soil is again workable, stir up the surface and pulverize it very thoroughly with a rake. Then sow the seed, covering it according to its size and the vigor of its kind. Most garden seeds may be covered ¼ to ½ inch—a few, such as Peas, Beans, Corn, etc., one to two inches, and some small ones only ⅛ inch. Press the soil firm after sowing. Seeds sprout better when the soil is pressed snugly around them.

Vegetable crops are usually planted in double rows on ridges about eighteen inches wide. Btween the ridges a furrow, five to six inches deep and one foot wide, is left for irrigation.

Generally the seedlings will appear above the ground before more water is needed.

Flower seeds, for the most part, require shallow planting and many are of slow germination. It is best to provide shade where these are sown, or a mulch of fine moss or similar material may be spread thinly on the ground. Sometimes a piece of burlap is placed on the surface and allowed to remain until the seeds sprout underneath. Watering must be carefully done, with a fine spray from the hose or watering can, and never by flooding.

PRUNING

Fruit Trees.—From the start the young tree should be given an open and rather low headed form. It should be cut back and only enough branches allowed to grow to make a well-balanced, symmetrical specimen. Four or five branches are sufficient to begin with, and they should be well distributed on the trunk. The pruning is done when the trees are dormant in late fall or winter. Branches are shortened according to their vigor, suckers removed, and all crowding prevented. As the years pass, less pruning is necessary, except to remove dead wood and weak or crowded branches. Any appearance of disease is bettr cut out than any treatment that could be applied. A tree once in good bearing condition seldom needs extensive pruning.

Berry Plants.—Brambles of Blackberries and similar small fruits should be made to keep within their allotted space. The current year's growth may be curtailed and the resulting side branches may also be cut back. They will bear as well the next season as if allowed free scope. In fall all old fruiting wood is removed entirely, leaving only enough fresh canes to make a well furnished bush.

Grape Vines.—Young vines need no pruning until the second year. Prune any time after the leaves have fallen. At the first pruning remove all shoots but one, shortening the remaining one according to the growth it has made. If strong, allow eighteen inches; if weak cut back to two eyes. Thereafter, pruning will be guided by the shape desired. If trellised, several branches are trained up at once, all being cut back somewhat each year to induce strong growth, and side branches are completely removed. For field culture, the plants are cut back very severely to one stem which, in time, acts as a trunk. Where vines branch out too vigorously, they may be kept in check during the summer by pinching or cutting above the fifth leaf joint, all fruit appearing below this joint.

THE CONTROL OF GARDEN PESTS

While the control of harmful insects and plant diseases has become a complicated science, enough information upon this subject can readily be acquired by the layman to enable him to protect all usual crops and guard against frequent and apparently unwarranted failures, so depressing to the home gardener.

General speaking, there are two methods of pest control. The first consists of the application of sprays, the second of dusting materials. The insecticide ingredients used are the same in both, and the difference resides merely in the mode of application. It is a matter of opinion and personal convenience to the gardener whether the materials shall be used wet, in the form of sprays, or dry, in the form of dust. In the main, there are four insecticides which should be kept on hand wherever gardening is attempted. They are: Arsenate of Lead, Nicotine, Sulphur and Bordeaux Mixture.

For Spraying.—Dry Arsenate of Lead and dry Bordeaux may be mixed with water. Nicotine should be in the form of Nicotine Sulphate (commonly known as "Black Leaf 40") and Sulphur in the form of Lime-Sulphur Solution. All to be diluted with water according to directions.

For Dusting.—Obtain dry Arsenate of Lead, dry Bordeaux Mixture, Nicotine Dust and Dusting Sulphur.

According to the method selected, obtain a hand sprayer or a hand duster. Whether dust or spray is applied, it must be thoroughly done, covering both upper and lower sides of the leaves over the entire plant. The pests to be controlled belong mainly to the following classes:

Chewing insects, which actually eat the leaves—Beetles, Caterpillars, etc.

Sucking insects, which feed upon the plant by sucking the juices—Aphids, Plant Lice, Thrip, etc.

Fungous and Bacterial Diseases, caused by minute fungi or bacteria developing on the surface or in the tissues of the plants—Mildew, Rust, Wilt, etc.

Scale insects, or "Scale"—scale forming insects, clinging closely to the stems and other parts of plants.

Treatment—Examine plants closely. If small insects, often quite minute, are present but leaves are not eaten, follow instructions given below for sucking insects. If no insects can be found, but leaves are discolored or wilted, this is probably due to a fungous or bacterial disease, and must be treated accordingly. Scale is most troublesome on fruit trees and other hard-wooded plants and vines.

PREPARATIONS TO USE

Chewing Insects—Spray with Arsenate of Lead, two level tablespoonfuls to one gallon of water, or two teaspoons to one pint, or dust lightly with dry Arsenate of Lead. Antrol Syrup. A Cottage Set is ideal for the home and garden.

Sucking Insects—Spray with Nicotine Sulphate (known as Black Leaf 40), one teaspoonful to a gallon of water (rarely a litlte stronger), or dust with Nicotine Dust.

Fungous and Bacterial Disea es—Spray with Bordeaux Mixture, 11 to 12 level tablespoonfuls of dry Bordeaux to one gallon of water, or dust with Bordeaux Mixture dry; or spray with Lime-Sulphur Solution—¼ pint of Lime-Sulphur to one gallon of water, or dust with dusting sulphur.

Scale—on trees, when dormant, spray with "winter strength" Lime-Sulphur Solution, one pint to one gallon of water; on growing plants and trees use "summer strength," ¼ pint of Lime-Sulphur to one gallon of water.

CONTROL OF MISCELLANEOUS PESTS

Ant Control—The Argentine Ants are a serious pest, carrying scale and aphids which cause most of our insect troubles. **They must be controlled.** Use the **Antrol** Method, consisting of glass jars with aluminum tops, and filled with Antrol Syrup. A Cottage Set is ideal for the home and garden.

Snail Control—Apply **Snarol,** a prepared meal. Sprinkle in beds and around plants.

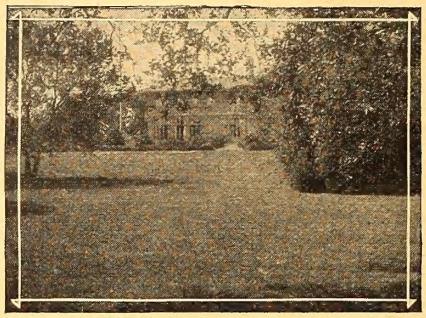
Cut Worms—Soft brown or gray worms of various kinds, feeding on the roots, crown or stems of plants, usually near the surface of the ground. Encircle the stem with heavy paper or tin, and sprinkle a poison bait, composed of bran mixed with 10 per cent Arsenate of Lead and 10 per cent Molasses, by weight, add enough water to make a mash.

Mealy Bug—A white scale-like insect of mealy appearance. Wherever possible, destroy by burning all plants or parts of plants affected. Lemon Oil, Whale-Oil Soap or Carbolic Acid (in weak solution) with soap, are beneficial—Cyanide Fumigation is dangerous, consult an expert before undertaking it.

Wire Worms—Slim, brown larvae, feeding upon the roots of various plants. Sprinkle poison bait (as for cutworms). Plow land in early fall and practice short rotation of crops.

Scab—on Potatoes and Gladiolus, or similar flower corms. Dip Seed Potatoes and Corms, before planting, in Semesan Solution, one ounce dissolved by stirring in three gallons of water. This solution can be used on all kinds of seed, as well as tubers. Soak one-half hour. Hard, thick-coated seeds may be soaked from one to two hours. See page ninety-five.

GERMAIN'S PREMIUM GRADE LAWN SEEDS

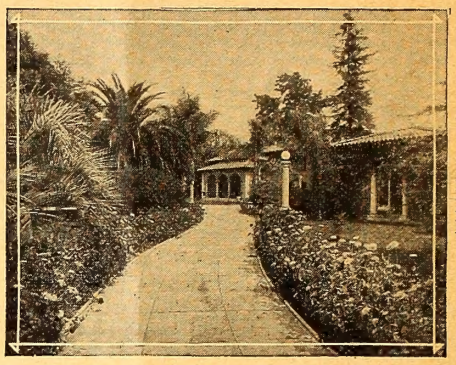


The H. C. Baker home on Arden Road Pasadena

The accompanying photographs show a few Southern California homes that have been treated with Nuvida Fertilizer.

A well kept lawn, rich green in color, adds hundreds of dollars to the value of your home

Lawn Pamphlet Free



The H. G. Wylie home 17 Chester Place L. A.

We carry a complete line of grass seeds of all kinds. The common varieties are listed below.

KENTUCKY BLUE GRASS—Premium Grade—is the finest grade of Blue Grass on the market. Grown from specially selected strains and in carefully selected fields, the seed gives the greatest satisfaction, due to its quality, purity and freedom from other seed. Per lb. 75c; 10 lbs. $7.00 postpaid.

WHITE CLOVER—Premium Grade—Our seed is strictly first-class, absolutely clean and pure and of the highest quality. Per lb. 80c; 10 lbs. $7.50, postpaid.

KENTUCKY BLUE GRASS and WHITE CLOVER MIXED. This favorite lawn mixture is made up of Premium Grade Seeds mixed in the right proportion. Per lb. 75c; 10 lbs. $7.00, postpaid.

AUSTRALIAN, OR PERENNIAL RYE GRASS. An extremely hardy sort, requiring less fertile soil and withstanding more hardships. Used extensively in Arizona and becoming very popular in So. California. Per lb. 35c; 10 lbs. $3.00, postpaid.

HOW TO BUILD A NEW LAWN

Where a new lawn is to be made the ground should be deeply spaded or plowed, and the surface well pulverized, leveled and rolled or tamped down firm. The soil is then kept wet for some time before sowing, and every few days the weeds, which rapidly take possession, are chopped out with a hoe. After two or three weeks, when most of the weeds have been destroyed, it is safe to plant the seed. Rake and level again until quite even, but do not spade the ground. Sow the seed broadcast and rake in slightly or cover not more than one-eighth inch by sifting soil over it. Roll or tamp the surface and water daily, keeping the surface constantly moist, especially during the first ten days.

For new lawns, Blue Grass and White Clover are used in equal proportions, or two parts of the Grass to one of Clover as desired. The mixture is sown at the rate of one pound to two hundred square feet.

When making a new lawn during the summer months a light mulch of well rotted manure or wood shavings is used to hold the moisture. Spread the mulch lightly all over the surface, but not more than one-half inch thick.

HOW TO RENOVATE AN OLD LAWN

An old lawn is usually infested with Bermuda Grass, and if it is not desired to build a new one, the following method will greatly improve it and restore its earlier green and velvety appearance.

Stop watering the lawn in the fall, or as early as August 1st. A month later rake out as much of the Bermuda Grass as possible with a special Bermuda Grass rake, which may be obtained for that purpose. The raking is done first in one direction and after the grass has been closely clipped with a mower it is again raked in another direction, and then mowed a second time.

A mixture of equal parts Blue Grass and White Clover is then sown broadcast over the lawn at the rate of one pound to three hundred square feet. Work the seed in lightly with a rake and sift a little soil (about one-eighth inch) over the entire surface. Keep moist, watering several times a day, if necessary, during the first few days; then once a day until a good growth is started. In four to six weeks the lawn will need mowing and a light dressing of Nuvida Fertilizer applied shortly thereafter will insure luxuriant growth throughout the winter.

NUVIDA LAWN AND GARDEN FERTILIZER

The verdict of all who have used the Nuvida Lawn and Garden Fertilizer is that it is the most complete and satisfactory Lawn Dressing ever placed on the market. It is manufactured by us and we guarantee that it contains all the elements required and in the proper proportions to produce a luxuriant growth. It is a clean, odorless material and can be applied without offending one's sense of smell or sight. Being quick in action the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiorty over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds.

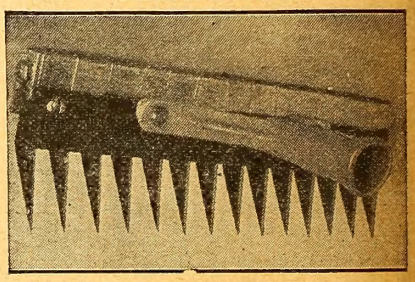
Trial bag for 300 square feet, 10 lbs.	$0.60
25 lbs. sacks for 750 square feet	1.25
50 lbs. sack for 1000 square feet	2.25
100 lb. sack for 3000 square feet	4.00

Write For Nuvida Pamphlet

NUVIDA FLOWER AND FERN FERTILIZER

It is of a concentrated nature requiring but very small doses to the plant and will undoubtedly yield good results. We confidently feel assured of its success, because of its purity, its food value, and its proportions of fertilizer elements. Nuvida Flower and Fern Fertilizer, 35 cents per can.

BERMUDA RAKE



This tool is all machine made, with all working parts detachable, and the metal of each part selected for its particular use. The angle of the teeth, and its weight, keep it in the ground in the heaviest lawn. The sharp blades cut the grass in sections and the cross cutter bar completes the work. A lawn raked and cross raked is free of all runners and the work has left a perfect seed bed to sow clover or grass seed. Brown Bermuda lawns can be skinned in the fall with this tool with a fraction of the labor necessary by any other method. Many lawns burn out in spots because the heavy soil has become impervious. Occasional use of the Bermuda Rake will so loosen the soil it will again take water. Price each **$5.00.**

NURSERY DEPARTMENT

Included in the following pages will be found a comprehensive list of nursery stock in the way of rose bushes, shrubs, vines, fruit trees, bedding plants, grape vines, small fruits and vegetable plants. Our aim is to supply only the best stock available at reasonable prices.

The Germain Seed and Plant Company has been in the business of growing and distributing of plants to the gardens of California and the southwest since 1871, establishing during that period a reputation for honest dealing and quality merchandise, a reputation that we are bending every effort to maintain.

ROSE BUSH ORDERS

SHIPPING. Express shipments of Nursery Stock travel under what is known as the "General Special" Rate, which is 20 per cent less than the first-class rate. We would advise having shipments too large for parcel post go by express, as we consider freight too slow for goods of such a perishable nature.

NON-WARRANTY. We exercise the greatest care in the selection, packing and labeling of plants and trees, but give no guarantee, express or implied, as to their growth, productiveness, quality, or any other matter of any trees, plants or seeds that we send out, and will not be in any way responsible for crops. If the purchaser does not accept the goods on these terms, they must be returned at once.

SUBSTITUTION. Where particular varieties are ordered and particular ages and sizes of trees, kinds of stock, etc., it should be stated whether and to what extent substitution will be allowed in case the order cannot be filled to the letter. Where no instructions in this respect accompany the order, we shall feel at liberty to substitute other varieties as nearly similar as possible. If the selection of varieties is left entirely to us, we shall endeavor to send only such sorts as are acknowledged to give general satisfaction.

AS USUAL, six of any one certain variety will be furnished at dozen rates; 50 at 100 rates; 500 at 1,000 rates.

CLAIMS. Should any errors occur we desire to be informed upon receipt of goods, that we may rectify them without delay. All claims must be filed within ten days after the arrival of shipments. No plants shipped C. O. D.

PLANT AND SEED ORDERS should be kept separate, as during our rush season we may run short of some varieties of plants or trees and this sometimes causes a slight delay in receiving consignments from our various growing grounds. The rush of business is terrific during the winter and spring in the Nursery Department and orders cannot always be shipped at once. With our present facilities we hope to have but few delays in filling orders, but in cases where the nursery stock cannot be shipped at once, the seed orders will be shipped at once, and balance of order will follow when ready.

HINTS ON ROSE GROWING

Preparation of Soil—To obtain the best results from roses, the most important part is the preparation of the soil. This should be spaded to a depth of 18 inches, well pulverized and enriched with about one-fifth of its bulk with well rotted barnyard manure. Care should be taken to thoroughly mix the fertilizer with the soil before any planting is done. If barnyard manure is not available sheep manure or chicken manure can be used, but care should be taken to use sparingly; never use more than three pounds to each square yard. If commercial fertilizer is used one pound to each square yard will suffice. Roses like a heavy soil but will bloom equally well in a light soil, providing it is kept well fertilized.

Planting—As soon as plants are received they should be planted at once but if it is impossible do so, place them in a shady place or in a cellar, cover the roots with soil, and water thoroughly. Any wrapping or moss that are around the plants should be removed at this time. When setting plants in their permanent location cut off any bruised or broken roots, and any branches that may be damaged. The plants will require no further pruning as this is done before shipment is sent out. Should plants look dry or shriveled when they are received, it is well to lay the plants on their sides in a trench and cover entirely with soil, watering thoroughly. If left in this position 48 hours the bark will freshen up and plants will regain their vitality. Dig holes at least 15 inches deep and wide enough to receive roots without cramping. Place plants in an upright position, working the soil around roots a little at a time, at the same time treading firmly with the foot. If ground is very wet do not tread too much. The depth the plants should be planted is about an inch deeper than they were planted in the nursery row. This can be ascertained by the color of the bark, which will be considerably darker. (See "A" in photograph on this page.) Leave a shallow depression around each plant and fill with water as soon as planted and again after water has seeped away. It will not be necessary to shade them unless the sun gets very hot. Remember, that roses do best in the full sun, and that they require plenty of water and cultivation in the growing season. Three feet apart is a good distance to plant but this can be varied either way to suit conditions.

Cutting of Flowers—Do not be afraid to cut the flowers from your plants as this will do them no harm, in fact judicious use of the scissors or knife will make your plants better than they would otherwise be if left to grow at random. A good rule to follow when picking the blooms is to cut the flowering stem back to within 2 or 3 leaves from where it branches out of the main stem.

DISEASES AND PESTS

Aphis or Green Fly: A small sucking insect that gathers on the tips of growth and buds. This can be easily exterminated by the use of Black Leaf 40.

Black Spot: A fungous disease appearing on the leaf, which eventually turns yellow and falls off. This can be checked by spraying with Bordeaux Mixture.

Mildew: This disease attacks the leaves and stems, causing a whitish crinkly condition. Lack of sunshine or too much overhead watering are the chief causes. Spraying entire plant with **Fungtrogen** immediately after it appears will check it readily. Sulphur dusted on in the morning when the foliage is somewhat damp is commonly used.

NECESSITIES FOR THE ROSE GARDEN

Below you will find a list of the accessories and remedies that should be in every garden. For further information we refer you to pages 3, 4, 95 and 97.

Black Leaf 40—A nicotine spray very effective against aphis. Ounce bottles 35c, ½ lb. tins $1.25. **Cannot** be mailed but can usually be obtained at the corner drug store.

Fungtrogen—A very effective mildew control. Pints $1.25, quarts $2.00. Can be mailed.

Corona Bordeaux Mixture—Excellent for control of "black spot." Used either as liquid or dust. ½ lb. 25c, 1 lb. 40c. Can be mailed.

Corona Arsenate of Lead—Whenever you find worms or caterpillars eating the rose leaves use this preparation. ½ lb. 25c, 1 lb. 45c. **Cannot** be mailed.

Nuvida Lawn and Garden Fertilizer—Unsurpassed as a dressing for roses. Should be used sparingly as it is concentrated plant food. 100 lbs. $4.00, 50 lbs. $2.25, 25 lbs. $1.25.

New Misty Hand Sprayer—A small sprayer useful for small place. 50c.

Perfection Compressed Air Sprayer—Just the thing for the fair sized home. Easy to operate, and not hard work. Brass $10.50, galvanized iron $7.50.

ROSES

The season of 1927 ushers in a number of new roses remarkable for their color, form, and beauty. On the following pages the new varieties are described in words which can only very inadequately give a true image of their worth. Such roses as Angele Pernet, Shot Silk, Mme. Alexandre Dreux, Sun Star, Climbing Los Angeles and others are far superior to the older varieties and will add charm and beauty to any garden.

Our stock of roses is very complete. The following pages besides describing the new varieties also contain listings of the better roses among the older varieties.

IMPORTANT NOTICE

All prices on Roses in this catalog are on dormant or bare root stock for shipment after January First and before April First. After April First only established roses taken from gallon cans can be supplied. Add twenty-five cents to the price of each rose for shipment after April First.

For the convenience of our patrons we are listing below several collections of roses, all first grade stock at lowered prices. No substitutions are allowed in these collections.

A PORTION OF OUR 100 ACRE FIELD GROWING ROSES EXCLUSIVELY

COLLECTION NO. 1—BUSH ROSES

RADIANCE	$0.40
CRIMSON QUEEN	.40
SUNBURST	.40
KAISERIN AUGUSTE VICTORIA	.40
OPHELIA	.60
ETOILE DE FRANCE	.40
Regular Price	$2.60
Collection Price	Postpaid $2.15

COLLECTION NO. 2—BUSH ROSES

IRISH ELEGANCE	$0.40
AMERICAN BEAUTY	.60
MME. EDOUARD HERRIOT	.75
WM. F. DREER	.75
ROSE MARIE	.60
LOS ANGELES	.75
Regular Price	$3.85
Collection Price	Postpaid $2.95

COLLECTION NO. 3—BUSH ROSES

HOOSIER BEAUTY	$0.75
MAMAN COCHET	.40
MME. LEON PAIN	.40
DUCHESS OF WELLINGTON	.40
GENERAL McARTHUR	.60
IRISH FIREFLAME	.60
Regular Price	$3.15
Collection Price	Postpaid $2.45

COLLECTION NO. 4—BUSH ROSES

SOUVENIR DE CLAUDIUS PERNET	$1.00
PADRE	1.00
LOS ANGELES	.75
MISS LOLITA ARMOUR	.75
MRS. H. R. DARLINGTON	1.00
UNA WALLACE	1.00
Regular Price	$5.50
Collection Price	Postpaid $4.35

COLLECTION NO. 5—CLIMBING ROSES

CL. PINK COCHET	$0.40
PAUL'S SCARLET CLIMBER	.40
CL. FRAU KARL DRUSCHKI	.60
CL. CECIL BRUNNER	.40
CL. LADY HILLINGDON	.60
CL. HOOSIER BEAUTY	.75
Regular Price	$3.15
Collection Price	Postpaid $2.45

COLLECTION NO. 6—HARDY BUSH ROSES

EDWARD MAWLEY	$0.40
GRUS AN TEPLITZ	.40
ULRICH BRUNNER	.60
KILLARNEY	.60
LADY ALICE STANLEY	.75
MME. JENNY GILLEMOT	.60
Regular Price	$3.35
Collection Price	Postpaid $2.65

BUSH ROSE NOVELTIES

Four New European Roses, $2.00 Each, Postpaid

ANGELE PERNET. Not a full Rose but a free bloomer and exceedingly brilliant in color when the bloom opens. It is glorious early in the morning. Orange-red edged chrome-yellow, and outside petals golden yellow. Bushy, upright in growth, and has very few thorns. Bagatelle Gold Medal 1924.

MME. ALEXANDRE DREUX. This is a captivating Rose with deep rich color, like the skin of a ripe tangerine orange. A profuse bloomer with lovely long buds and the flowers never fade white. Blooms are not large but they are full to the center.

SHOT SILK. One of the most beautiful of Alex. Dickson & Son's introductions of 1924, which was awarded the gold medal of the National Rose Society of England. Color orange-rose, overshot with golden-yellow and flushed soft rose, bud of beautiful shape, the open flowers cupped with reflexing outer petals, growth vigorous and free with beautiful foliage, a sweetly scented Rose of exceptional merit.

SUNSTAR. Deep yellow edged, veined and splashed crimson and vermillion, all colors that attract and vary in tone and intensity as the blooms develop, of medium size, highly scented. Awarded a gold medal by the National Rose Society of England.

One each of the four Roses for $7.25, postpaid.

MISS LOLITA ARMOUR

Six Novelty Roses of Great Merit, $1.25 Each, Postpaid

ELDORADO (Land of Gold). In this we have an exact counterpart of Miss Lolita Armour, in the large-sized flowers of distinct formation, vigorous growth, and free-flowering habit and fragrance, but in color it is of the golden yellow that is peculiar to the climbing Rose Marechal Neil.

INDEPENDENCE DAY. The buds are long, freely produced, and the flowers are deliciously fragrant. Color is rich orange-apricot, suffused with sunflower-yellow. A sensationally attractive Rose.

LULU. A new rose of English origin and considered by us to be the best of its kind. The color is a pure apricot, the buds being long and pointed and quite similar to Irish Fireflame in form, but with twice as many petals.

MME. RAYMOND POINCARE. Pale pink and salmon, deepening to yellow at center of the well-shaped, graceful flowers. Plant is strong, with good foliage and an excellent continous blooming habit.

MRS. J. C. AINSWORTH. A beautiful "sport" from Mrs. Charles Russell, of which it is a counterpart in strong vigorous habit of growth, large, well-shaped buds and fine, full double, delightfully scented flowers, but in color it is entirely distinct from its parent, the buds on first opening are of a beautiful peach-blossom pink, shading to a delicate mauve-tinted white at the edges, the flowers as they develop change to a lovely crimson-pink at the centre.

SOUVENIR DE GEORGE BECKWITH. A gaily colored Rose of recent introduction, combining salmon-pink and yellow shades. Flowers are large, globular, and quite lasting. It has proved to be a vigorous grower, producing an average number of exquisite flowers that are splendid for cutting as they keep well for a long time.

Collection of each of the six roses for $5.95.

The Following Roses Are All 75c Each, Postpaid

BLACK PRINCE. Intensely dark crimson, approaching black; cup-shaped, large and full. Old favorite, but always scarce.

FRANCIS SCOTT KEY. The color is bright crimson which changes to bluish crimson as the flower ages. It is a wonder for size, and no other variety surpasses it for fullness and perfection of form. You can depend on magnificent blooms that open freely in hot weather and they are especially fine in late summer.

HADLEY. Rich, glorious red, shading to velvety purple. Flower is double, of fine form, and very sweet. Practically every bloom comes perfect and it is a gem for cutting. Best in the cooler sections of the country. A. R. S. Gold Medal, and deserves it, for it is one of the American raised sorts that has reached world prominence.

MME. BUTTERFLY

HOOSIER BEAUTY. In our opinion, one of the finest red hybrid tea roses in existence. A rose of American origin and one which easily out-distances most other reds on the market. Flowers are of superb form, not unlike a perfect Sunburst in shape. They are beautiful. See back cover.

LADY ALICE STANLEY. A noble Rose of largest size and finest shape. Exquisite flesh-pink, shaded with rich coral in the center and on the reverse of petals. Flowers are borne on strong, erect stems—fine for cutting. Strong growing, healthy, with broad, distinctive foliage.

THE WONDERFUL PRIZE WINNING ROSE "LOS ANGELES." It is a rose without a fault. It is strong in growth, sending out enormous canes clothed with dark, handsome foliage. The foliage is mildew proof. It is hardy, deliciously fragrant and during the spring, summer and autumn months produces an endless succession of ravishingly beautiful blossoms. The buds are long and pointed and expand to a flower of glorious size. Its color is of transcendent beauty, being an indescribable tone of flame pink.

MISS LOLITA ARMOUR. Regardless of color, we doubt if there are any more beautiful. The color is difficult of description, but may be briefly described as follows: Chrome yellow at the base, shading to burnt orange and copper. The reflex of the petals is chrome yellow at the base, shading to bright salmon with brilliant copper suffusion. The flower is quite double.

MME. BUTTERFLY. A sport from Ophelia which it closely resembles, but it is much better in color and blooming qualities. A refined bloom of salmon pink suffused with apricot and yellow. A splendid cut flower variety.

MAD. EDOUARD HERRIOTT. The famous Daily Mail Rose. Winner of the $5,000 prize at the International Horticultural Exposition held in London, England. Buds coral red shade with yellow at the base. Open flowers of medium size, when fully expanded they take on a superb coral red color.

WILLOWMERE. A handsome Rose of largest size and splendid form, showing clear pink, glowing with light orange, like sunshine in its heart. A steady, repeating bloomer, with husky, thorny canes and excellent foliage which is much less subject to disease than others of its class. Prune but little. It never sulks. Bagatelle Gold Medal.

WM. F. DREER ROSE. The flowers, which are similar in shape to Los Angeles, and like that variety, beautiful in all stages of development, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, the base of the petals of a rich golden-yellow, which, at certain stages of development, gives a golden suffusion to the entire flower. See back cover.

Collection of one each of the above eleven roses for $6.85.

Collection of one each of the twenty-one Roses on this page for - - - - - - - - - - - **$19.50**

BUSH ROSE NOVELTIES—*Continued*

THE ROSES LISTED ON THIS PAGE ARE ALL $1.00 EACH, POSTPAID

CONSTANCE. With real golden yellow flowers of medium size, of fair, globular form, Constance was a step in advance toward the perfect yellow Rose. Bagatelle Gold Medal.

EDEL. New. An enormous, bold, stately, well formed flower of great depth and quality. Color white with ivory shadings toward the base, passing to a pure white. The plant is a good grower and free bloomer.

GOLDEN EMBLEM. Flower similar in color to "Constance" and having the same crimson stripe on outer petals, with high pointed center; tea perfume. Growth free and branching with splendid constitution, deep glossy green foliage, stout stalks and mildew-proof; extra perpetual flowering. One of the best yellow roses grown. See back cover.

GORGEOUS. Gorgeous indeed is this Rose and extremely wel named, for it is gorgeous in size, and color, which is soft orange, flushed with copper, coral-red and shrimp-pink. The flowers are very large, double, and borne on erect, strong stems. The oval buds are most attractive and the open flower lasts a long time when cut.

SOUVENIR DE GEORGES PERNET. Flower of beautiful Orient red color, the end of petals cochineal carmine, shaded with yellow, very large, full and globular, oval bud carried on erect stem. A vigorous grower of branching habit, with few long thorns and bronze green foliage. This wonderful variety will be a precious addition to the Pernetiana class, being very vigorous and absolutely hardy. An abundant bloomer.

SOUVENIR DE H. A. VERSCHUREN. A new variety that is bound to attract a lot of attention. The color is deep golden yellow. Flowers are double and intensely fragrant. Stems are long and stiff. A very fine variety. Stock scarce.

THE QUEEN ALEXANDRA. A remarkable combination of color may be noted in this magnificent new rose. A combination which is not only startling, but of peerless beauty as well. It is a two-toned rose with the upper side of the petals a glorious shade of vermillion, the reverse side being old gold. The petals of the entire flower toward the base merging from this remarkable shade to pure golden yellow.

UNA WALLACE. This is without doubt the best of all pink roses and quite distinct from any other variety. A beautiful shade of soft cherry rose without any shading. It is a very strong grower and a free bloomer, has excellent foliage and perfect form. It is exceedingly fragrant.

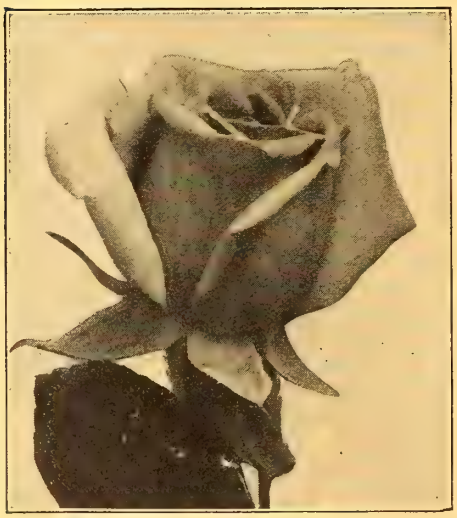
ISOBEL. Flowers of large size, single; scarlet-orange with clear yellow center and fading to a clear pink. A delightful Rose in early summer and a continuous bloomer.

LOUISE CATHERINE BRESLAU. Astonishing in color. Salmon-red buds, opening to large flowers of orange-pink, glowing with yellow and copper. Double, but open cupped form when fully expanded. Color is retained well when cut. Stem is stiff, but not long. Growth bushy and vigorous; foliage glossy.

MME. SEGOND WEBER. Very beautiful in its bright salmon-pink flowers of almost perfect form, double, and fragrant. The stems are long, usually strong, and the plant is a very liberal bloomer.

MRS. H. R. DARLINGTON. A long felt want in a white rose. Buds are creamy white, but turn to pure white as the flower expands. A rose of delightful fragrance and beautiful form. A very desirable variety in every way. Awarded the Gold Medal by the British National Rose Society.

PADRE. An exquisite new variety in a color that is distinct from any other. The bud is long and pointed, borne on a strong stem with dark foliage. The color is a beautiful shade of coppery orange crimson with yellow shadings at the base of the petals. A splendid cut flower variety and a strong, vigorous grower. See back cover.



UNA WALLACE

SENSATION. Large, double, fragrant flowers of fine form, scarlet-crimson with blackish shades, similar to Hoosier Beauty. It has created a sensation already. A. R. S. Gold Medal.

SOUVENIR DE CLAUDIUS PERNET. Both bud and bloom are clear sunflower-yellow, unstained by any other color, and are attractively formed. As the flower ages, the outside petals become light sulphur-yellow. This Rose performs best in hot, dry, bright weather. It is not suitable for localities where the summers are wet and cold. Flowers often appear in clusters. It is best to cut them when in bud form. A vase full of these glorious yellow blooms is like a bouquet of captured sunshine, so get several plants to insure having plenty of flowers to cut.

MRS. H. R. DARLINGTON

Collection of one each of the Roses on this page for - - - - - - - - - - - **$11.75** Postpaid

CLIMBING ROSE NOVELTIES

CLIMBING LOUISE CATHERINE BRESLAU. A really astonishing color with coral red buds, long and oval-shaped, opening to large double flowers of a remarkable combination of color, orange pink with a suffusion of yellow and copper. An exquisitely fragrant bloomer with vigorous growth. Foliage is a glossy green. A wonderful companion to the bush variety. One of the newest introductions. **$2.00 each, postpaid.**

CLIMBING LOS ANGELES. The ever popular bush Los Angeles now in a climbing form with the same extreme beauty of its well-formed flowers, alike attractive in bud and bloom, and showing shades of salmon-pink, apricot and orange almost impossible to describe. It is so remarkable for its brilliant color and beauty of form that it is well worth any extra care which may be needed. It was awarded the coveted Gold Medal at the Bagatelle Gardens in Paris in 1918, and is, perhaps, the most popular Rose of American origin. **$1.50 each, postpaid.**

CLIMBING MRS. AARON WARD

CLIMBING MRS. AARON WARD. This is a most delightful Rose, with its frilly petals and varying, but always exquisite color. In cool seasons, and on first opening, it is rich, golden fawn, but in bright sunlight it quickly changes to soft pink and white. Flowers are not large, but gracefully formed, fully double, and quite fragrant. The bush branches vigorously, and bears clean, pointed foliage which is almost immune to pests. A sport from the well-known bush form. **$1.25 each, postpaid.**

BELLE OF PORTUGAL. A remarkably fine climbing rose introduced a few years ago, and one which has come into popular favor. It is not a hardy rose and for this reason should only be planted in warm sections of the country. This beautiful rose is a cross between Rosa Gigantea and Reine Marie Henriette. The blossoms are very large, soft salmon pink in color. Supported singly on long stems. Its principal time of blooming is during the Spring, when the plants are literally covered with bloom. The color is truly one of the pastel shades. A variety of regal beauty. **Price each, $1.00.**

MARECHAL NIEL. A glowing, golden yellow Rose of the Noisette family, all of whom, to feel at home, must have conditions like those in the sunny southland. With little care, it will cover itself with its large, soft yellow, fragrant blooms. Does well in partial shade. **$1.00 each, postpaid.**

CLIMBING GENERAL McARTHUR. Bright crimson; notable for its fragrance. The buds are well shaped, the open flower usually full and of fair form. It blooms persistently and is especially fine in autumn. Foliage is almost immune to disease; plant quite hardy. Destined to be fully as popular as its parent. A beautiful climbing red rose. **75c each, postpaid.**

CLIMBING HADLEY. The well-known Rose now in a climbing form. In color it is a deep velvety-crimson, retaining its brilliancy at all seasons of the year. The variety is double and buds are well formed. It is a strong, rapid grower; the flowers are borne on long, stiff stems, well above the foliage. **75c each, postpaid.**

CLIMBING HADLEY

CLIMBING HOOSIER BEAUTY. A new rose, being the climbing form of the popular bush variety. Big, torch-like blooms of dusky red, opening from glowing slender buds; quite double, with wide-spreading butterfly petals surrounding an exquisite center. Among the better Roses for cutting, enduring a long while, retaining its color well, and keeping its full and fine perfume until the petals fall. Even in the garden it does not "blue" so badly as many red Roses. **75c each, postpaid.**

CLIMBING KAISERIN AUGUSTA VICTORIA. A strong and rapid grower. Plants bloom continuously throughout the season, and the lovely white flowers are magnificent beyond description. The buds are long and pointed, finely molded and gracefully finished. **75c each, postpaid.**

CLIMBING SUNBURST. A true Sunburst of vigorous climbing habit. An entrancing Rose of exquisite color—brilliant orange—yellow in center, paling to buff. One of the finest Roses for cutting. An excellent bloomer when thoroughly established. Can be recommended as a fine climbing yellow. **75c each, postpaid.**

CLIMBING LOS ANGELES

Collection of one each of the fine new Climbing Roses listed on this page for - - - **$9.00** Postpaid

BUSH ROSES

The Roses listed on this page and on the two following pages are the standard and popular varieties. This year a number of the more or less obsolete kinds have been eliminated while others have been added. The stock supplied is all number one grade and at as low a price as is consistent with the quality supplied.

THE VARIETIES ON THIS PAGE ARE ALL 40 CENTS EACH, POSTPAID

CECILE BRUNNER. This is the popular Baby Pink or "Sweetheart" Rose. In the past year or two this Rose has fairly jumped into popularity. It has become quite the rage. It makes a handsome miniature Rose, coming in sprays of three to five buds. Color, blush, shaded light salmon-pink; distinct and desirable.

CLARA WATSON. Pearly-white center tinted with pale rosy-peach; a free and continuous bloomer.

CRIMSON QUEEN. Flowers large, of a bright velvety crimson, a strong grower, and a continuous bloomer. Fragrant, and fine for cutting.

DUCHESS OF WELLINGTON. Intense saffron yellow, stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed, very free flowering. Exceedingly fragrant.

EDWARD MAWLEY. A gold medal winner. One of the best dark velvety crimson Roses in existence. Color rich and lustrous.

ETOILE DE FRANCE or STAR OF FRANCE. A brilliant shade of clear red-crimson velvet, centering to vivid cerise; large flowers on long, stiff stems; remarkably vigorous, free-blooming and hardy, with bronze-green foliage.

YELLOW CECIL BRUNNER or GEORGE ELGER. The long sought for baby yellow rose. Size and habit is the same as Pink Cecil Brunner and this splendid sort is just as free flowering as the pink variety.

GRUS AN TEPLITZ. An ideal red Rose for hedge purposes. Blossoms constantly throughout the year. Color velvety crimson, has a splendid constitution, good clean foliage, strong, upright canes.

IRISH ELEGANS. A beautiful single bush Rose of fine form, long and pointed. Color bronzy-orange to pink, shaded to apricot. An excellent Rose.

GRUS AN TEPLITZ

KAISERIN AUGUSTA VICTORIA

JONKHEER J. L. MOCK. Enormous deep rose-colored blooms, equally beautiful in bud or open flower. Throws splendid canes. An ideal cut flower variety.

KAISERIN AUGUSTE VICTORIA. A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers. See back cover.

MAMAN COCHET. Deep rose-pink, inner side of petals silvery rose; very double. Extra strong grower; fine bloomer. The finest Rose by far that has been introduced for a long time. We can confidently recommend it.

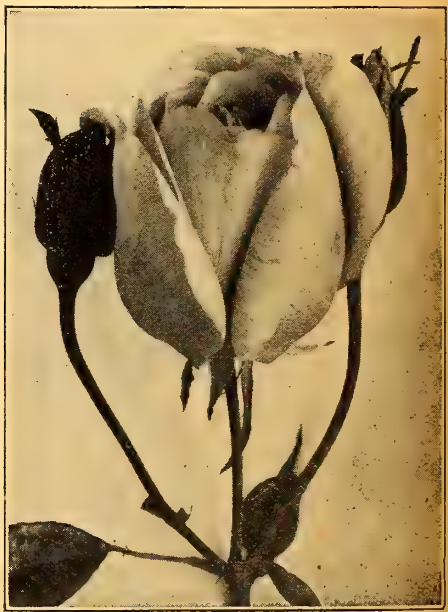
MME. LEON PAIN. Flower silvery flesh, center yellowish orange, large, full, sweet, elongated bud opening well. Growth vigorous, very floriferous. Very good.

MRS. A. R. WADDELL. Reddish apricot toned with salmon. An odd type in Roses, the petals being somewhat loose and irregular in formation. As a garden Rose it is without an equal. Before the buds expand it is ideal for cutting purposes.

RADIANCE. A Rose of American origin and to our mind one of the best varieties in cultivation of today. Buds long and pointed, expanding to blooms of enormous size. Similar in shape to Caroline Testout, but in color deep rich rose pink.

SUNBURST. Orange-copper or golden-orange and golden-yellow, all intense shades, giving an extremely brilliant effect. A giant Rose, long stems, long, pointed buds, vigorous, free and healthy, with splendid keeping qualities as a forcer and also an excellent bedder.

WHITE MAMAN COCHET. An exact replica of the pink with the exception of color, which is pure creamy white with tinting of pink.



MME. LEON PAIN

Collection of one each of the seventeen varieties listed on this page - - - - - - - - - - - **$4.95**

One Dozen of any of these - **$3.75**

BUSH ROSES—*Continued*

THE FOLLOWING ON THIS PAGE ARE ALL 60 CENTS EACH, POSTPAID

AMERICAN BEAUTY. One of the best Roses for the hot interior sections of the Western United States. Does magnificently in Arizona, Imperial section, etc. Throws especially fine, large blossoms during early fall and spring.

BETTY. Copper Rose, shaded to golden yellow at the base. Buds long and pointed.

COLUMBIA. A Rose which is popular with all cut flower buyers throughout America. In color a delightful shade of rose pink. In outdoor planting the bushes attain a moderate height and blossom freely through a long season.

FRAU KARL DRUSCHKI or WHITE AMERICAN BEAUTY. An ideal hardy white Rose, pure white in color. A remarkably vigorous grower. Free flowering to a degree. In our opinion, the best of all white Roses.

GENERAL JACQUEMINOT. A celebrated and much sought after variety, both for planting out and pot forcing; shapely buds and handsome blooms of bright, shining crimson, rich, brilliant, velvety and fragrant. Everybody knows and wants the "Jack" for its all around good qualities.

GEN. McARTHUR. One of the most popular and freest blooming of all red garden Roses. Color is a bright rosy crimson. It is not subject to mildew. Especially valuable for bedding purposes.

GEORGE AHRENDS or PINK AMERICAN BEAUTY. This is the wonderful "Pink American Beauty." The growth and make-up of the plants is superb, while the delicate pink color is unapproachable.

HENRIETTA. One of the finest Roses in existence for bedding, garden, and cut-flower purposes. Blooms carried erect on long stems; buds long and pointed. Color fiery orange-crimson, changing to soft coral-salmon. Very hardy; free in habit. Semi-double.

IRISH FIREFLAME. A very large, single flower of deep maddery orange, opening from spiral buds, passing to rich satiny, old-gold veined with crimson.

J. B. CLARK. Intense deep scarlet, heavily shaded, blackish crimson. Large, full, with immense petals. A vigorous grower and very hardy.

JULIET. A wonderful combination of orange, scarlet, salmon, gold, etc. By way of color is one of the most sensational Roses ever introduced. Hardy in all sections. Especially fine in early Spring and late Autumn.

PINK KILLARNEY. A lovely shade of clear, soft pink. An ideal cut flower Rose, on account of its splendid bud formation. Deliciously fragrant.

LA FRANCE. Silvery-rose, with pink shades and satin-like petals of unsurpassable beauty; large, symmetrical and deliciously fragrant blooms from June until frost; hardy with protection.

LADY ASHTOWN. Rose-pink, shading to silvery pink, with touches of yellow at base of petals and a silvery-pink reflex; large, full, well-formed flowers with high pointed center.

LADY ASHTOWN

AMERICAN BEAUTY

GENERAL McARTHUR

Collection of one each of the Roses listed on this page - - - - - - - - - - - - - - - - **$6.95**

Collection of one dozen of these Roses - **$5.75**

BUSH ROSES—*Continued*

THE ROSES LISTED ON THIS PAGE ARE ALL 60 CENTS EACH, POSTPAID

LADY HILLINGDON. One of the best of recent introductions. A lovely shade of apricot yellow. Free blooming and splendid for cut flower purposes.

MME. ABEL CHATENAY. Lovely shade of salmon pink, especially useful as a winter blooming Rose, in the warmer sections of the country. Buds and open flowers ideal as to form.

MME. CAROLINE TESTOUT. Satiny pink. Flowers beautifully cup-shaped and intensely fragrant.

MME. JENNY GILLEMOT. Saffron-yellow with golden shadings, with beautifully formed buds and flowers. Upright, strong grower.

PERLE d'OR. Coppery-gold, changing to fawn; very double and exquisitely perfumed. Baby Rose.

PREMIER. A pure rose pink throughout, very fine for cutting, a profuse bloomer, and exceedingly sweet scented. Perfect in habit, easy to grow.

PRINCE DE BULGARIE. Silvery-flesh, very delicately shaded with salmon, long bud opening to full cup-formed flowers.

RED RADIANCE. A sport from the well known pink form. Flowers equal in size, but of a deep, rosy red color. Buds and open flowers of mammoth proportions. Deliciously fragrant; a constant and free bloomer. An ideal Rose for cut flower purposes.

OPHELIA

RED RADIANCE

MME. ABEL CHATENAY

MRS. AARON WARD. Deep rich Indian yellow. Stems constantly throw quantities of beautiful medium size buds. Splendid for cut flowers.

MRS. CHARLES RUSSELL. No other forcing Rose except "American Beauty" can compete with it when it comes to counting points. Stems three feet long, stiff and surmounted by grand, rosy-pink blooms of largest size and build.

OLD GOLD. The tint is a vivid reddish-orange with rich coppery-red and coppery-apricot shadings.

OPHELIA. A Rose which has made a record for itself as a cut flower variety, and is admired by everyone. It is perfect in form, large in size and of a most pleasing delicate tint of salmon flush with rose shadings.

PAUL NEYRON. The largest Rose in cultivation. Blossoms often eight inches in diameter. Rich, deep rose in color.

ROSE MARIE. Amongst the various Roses which we have had under trial, there are but few more meritorious than this magnificent American novelty. The buds are long and pointed, the petals large and well-rounded, and the open bloom ideal as to form. The color is a delightful shade of pure rose pink. Highly recommended. See back cover.

ULRICH BRUNNER. Color a rich cherry crimson. Produces its blossoms on the end of the canes. These may often be cut with a stem length of three to four feet. Especially fine during the early spring and late autumn months.

WINNIE DAVIS. Brilliant apricot pink. Reflex has lighter tints giving it a very handsome appearance. Buds are long, of fine form. Foliage bright green. One of the best.

Collection of one each of the Roses on this page for - - - - - - - - - - - - - - - - - **$7.75**

One Dozen - **$5.75**

CLIMBING ROSES

The following list of Climbing Roses includes all the popular types and sorts. Included you will find the old time favorites together with some not so well known, but all of them will prove a welcome addition to the garden. On pape nine will be found the newer developments in Climbing Roses, together with the most recent introductions.

THE FOLLOWING CLIMBING ROSES ARE 40 CENTS EACH, POSTPAID

AMERICAN PILLAR. Color a rich rosy carmine with a glint of white in the center. Stamens a rich golden yellow. The flowers are large, single and borne in immense clusters. A very rapid grower. In the autumn it is a brilliant show of color with the pretty clusters of bright red seed pods which remain on the bush until well into winter.

CLIMBING CECILE BRUNNER. One of the strongest growing Roses. Bright clear pink in color. Probably the most popular climber.

DOROTHY PERKINS. Too well known to need description. Beautiful deep pink flowers, borne in clusters. Vigorous and hardy.

GOLD OF OPHIR. A splendid climber, color combination of copper, carmine and salmon. Very popular and beautiful.

CLIMBING GRUS AN TEPLITZ. A perfect sheet of crimson when in bloom. It is the same as the bush Teplitz.

CLIMBING MAMAN COCHET. No Rose we grow is so popular as Maman Cochet. Here we have an exact counterpart of that popular variety, except that it is a vigorous climber.

PAUL'S SCARLET CLIMBER. It is a climber with splendid foliage and glorious vivid scarlet flowers. These are borne in wonderful profusion. A plant in bloom arrests the attention at once. Although only introduced a few seasons ago from England, it has already taken a high position amongst hardy climbing roses.

SILVER MOON. Pure white with clear yellow stamens. A beautiful single rose, very large and free blooming. Glossy bronze green foliage.

TAUSENDSCHOEN or THOUSAND BEAUTIES. Bright clusters of blossoms varying in color from flushed white to rosy-carmine. A vigorous, hardy climber with few thorns.

Collection. One each of the above roses, postpaid for $2.75.

CLIMBING FRAU KARL DRUSCHKI

CLIMBING MAMAN COCHET

THE FOLLOWING LIST OF CLIMBERS AT 60 CENTS EACH, POSTPAID

CLIMBING AMERICAN BEAUTY. Crimson flower 3 to 4 inches in diameter; well formed, fragrant, strong grower, holds foliage late; blooms in May and June and occasionally during the summer.

BANKSIA WHITE. The flowers of this very desirable Rose are pure white, violet scented, very small, double and borne in umbels of twelve to fifteen blossoms. Spring bloomer.

BANKSIA YELLOW. Small, double sulphur-yellow flowers in clusters. A vigorous grower.

CLIMBING BELLE SIEBRECHT. This Rose is know in England as Climbing Mrs. W. J. Grant. Imperial pink, large and beautifully formed. Sweetly perfumed.

CHEROKEE PINK. Similar to the white variety, but gives larger flowers and blooms for a longer period.

CLIMBING FRAU KARL DRUSCHKI or WHITE AMERICAN BEAUTY. A new Rose destined to prove very popular. Flowers similar to the bush variety.

CLIMBING PINK KILLARNEY. A vigorous climber, otherwise possessing all of the splendid qualities of the parent Killarney.

CLIMBING LA FRANCE. A beautiful Rose with its color of silvery rose and pink shades. Large and fragrant blooms. Similar to the bush variety.

CLIMBING LADY ASHTOWN. Similar to the bush variety. Color rose-pink, shading to silvery pink. Long pointed buds very free flowering. Should be in every garden.

CLIMBING LADY HILLINGDON. Identical with the bush variety except in habit. Long pointed buds of deep yellow, very free blooming.

CLIMBING MME. CAROLINE TESTOUT. Beautiful glowing pink, identical flower with its parent namesake; a rampant climber.

REINE MARIE HENRIETTE. Deep cherry-red. This Rose takes the lead as a climber.

CLIMBING SOUVENIR OF WOOTTON. Velvety red; same in bloom as the bush Wootton, from which it is a sport; vigorous; profuse with splendidly formed flowers.

CLIMBING WHITE MAMAN COCHET. Here we have a climbing form that will become as popular a climber as its parent has as a bush Rose. Grand, huge white flowers, tinged pink.

CLIMBING WINNIE DAVIS. A sport from the bush variety. Similar to it in all characteristics. Apricot pink color and long buds of fine form.

Collection. One each of the above climbers, postpaid, $7.25.

Collection. Any twelve varieties from the above list, postpaid, $5.75.

ORNAMENTAL SHRUBS, TREES AND VINES

All plants listed are of gallon can size unless otherwise noted. Prices are F.O.B. Los Angeles. Allow three pounds each for weight when ordering.

ACACIA FLORIBUNDA ITALIAN CYPRESS OLEANDER SPANISH BROOM (Genista)

ABELIA

Each

GRANDIFLORA. Free-flowering shrub with small, glossy green leaves. Flowers are tubular, almost an inch long, white flushed, lilac pink. Blooms profusely and continuously all summer. A very fine shrub.....$0.75

ACACIA

BAILEYANA. A small, handsome tree with glaucous green foliage. Flowers in racemes 3 to 4 inches long, yellow. One of the most beautiful of the Acacias; highly recommended for street planting..... .75

FLORIBUNDA. Ornamental, with very abundant handsome flowers, valuable for lawns, parks, etc. Height 25 ft. ..... .75

MELANOXYLON. A well known black Acacia, now so much used for side-walk planting. Fine, strong plants .75

ARALIA

SIEBOLDII. A dainty variety of Aralia with dark, glossy green foliage. It does best in partial shade. May be used also as a pot plant for interior decoration. Strong plants..... .75

BUDDLEIA (BUTTERFLY BUSH)

A beautiful flowering shrub from China, bearing long spikes of exquisitely colored lilac flowers. There are produced on the ends of long shoots. When the plant is in full bloom it is a thing of striking beauty..... .60

CALIFORNIA HOLLY

A native shrub common to our foothills, bears large clusters of crimson berries at Christmas, very hardy, thrives best in a dry location..... 1.00

CALLISTEMON (BOTTLE BRUSH)

Showy flowering shrubs, thriving perfectly in California. Flowers in the exact shape of a bottle brush, which gives the common name. Will thrive in very dry locations with little care or attention. Callistemons are variable in color, usually red, but very frequently run to pink..... .75

COPROSMA

BAUERI. A splendid shrub of prostate habit and brilliant, glossy green leaves. This is an ideal plant for banking against the bases of buildings, etc., or for covering banks. It is one of the handsomest of all foliage shrubs..... .50

COTONEASTER

Each

Handsome shrubs of wide use in both the home grounds and public parks; leaves somewhat small, glossy and of varying shades of green; flowers minute, usually white or pinkish white; berries of many hues and colors varying from orange to bright scarlet. Unexcelled for grouping, corner effects and for edging large plantings of shrubbery borders.

PANNOSA. A very beautiful shrub of upright growth. Branches long, slender and slightly arching. Leaves deep rich green above and covered with silvery down beneath. Berries borne in great profusion in the fall are vermillion red. The branches loaded with berries can be cut and kept in water for weeks..... .60

FRANCHETTI. A recently introduced Cotoneaster, bearing during midwinter, immense quantities of brilliant orange berries. The plant is more or less drooping in habit. A splendid plant for the great Southwest.... .60

HORIZONTALIS. Low, flat, spreading, bright glossy green, very attractive. Covered in April with masses of tiny pink flowers and in the fall with minute, brilliant scarlet berries. The foliage also turns scarlet in winter. Fine for borders, rookeries or where a low, flat shrub is required..... .60

CUPRESSUS (CYPRESS)

ARIZONICA. A handsome blue Cypress of Arizona, unequalled for dry land plantings. Flats of 100 plants **$2.75.** Gallon cans..... .50

ITALIAN. This well known Cypress is largely used in formal gardens, etc. The plants are columnar in their habit of growth.....**$0.50 and** .75

MACROCARPA. This is the native Cypress found in the district around Monterey. A splendid variety for seacoast planting, invaluable for parkways, etc., commonly called Monterey Cypress. Flats of 100 plants, **$2.75.** Gallon cans..... .50

CRATEAGUS

Large shrubs adapted to most any soil and situation; admired for their bright berry-like fruits(which remain on the plant until spring), white flowers and firm foliage. The genus is closely allied to the Cotoneasters, but is easily distinguished by their thorny branches.

LALANDI. Highly recommended. A splendid, free growing shrub that bears in fall great masses of orange-like berries ..... .75

CRENULATA. Brighter in the berries than the last named, a magnificent shrub..... .75

ORNAMENTAL SHRUBS, TREES AND VINES—Continued

DIOSMA

Each

ERICOIDES. Often referred to as Breath of Heaven. Foliage exceedingly fine. Blossoms pure white, minute in character but borne in great profusion. A shrub which should be in every garden.....$0.75

DRACAENA

DRACAENA INDIVISA. Rather more common than australis, and a little hardier; foliage narrower and longer, and of slightly faster growth. Ultimately reaches tree form with irregular, spreading branches. Small plants often used alone or with other plants in hanging baskets, tubs and porch pots..... .75

EUGENIA

MYRTIFOLIA. A splendid, bushy, tall growing shrub, closely related to the Myrtle; can be trimmed to any desired shape. Very handsome..... .75

HOOKERIANA. Similar, but larger foliage, more spreading habit and purple berries. Needs more trimming to attain compact specimen, but makes a very attractive shrub, especially when in fruit..... .75

EVONYMUS

JAPONICUS. Fine upright shrub of moderate size and rather compact growth. Foliage and bark are clear, dark green ..... .75

JAPONICUS AUREA MARGINATUS (Golden Evonymus). Of dwarf and compact growth. Leaves deep yellow towards the edges, blotched in the center with light and dark green ..... .75

GENISTA

SPANISH BROOM. Stiff, rush-like foliage and beautiful golden yellow, orchid-like flowers. A popular shrub and justly so, for it is one of the best..... .60

GREVILLEA

THELEMANNIANA. A very dainty, graceful shrub. Finely branched and densely covered with fine, needle-like leaflets of a soft, pleasing green. Flowers are in small clusters, ruddy pink with green tips. It is no exaggeration to say that this is the freest blooming shrub grown in the State, as it blooms throughout the entire year. Splendid in every way.. .75

HIBISCUS

A tall growing shrub, with large, double flowers. Free flowering and very ornamental. Should be in every garden.

DOUBLE CRIMSON ..... .75

PEACH BLOW. Double pink..... .75

HYDRANGEA

One of the most popular shrubs in existence and grown practically all over the world. Produces immense trusses of pink flowers. By the addition of iron to the soil in which they are growing the flower will take on a pale blue cast..... .50

LAGERSTROMIA (CREPE MYRTLE)

INDICA. One of the handsomest of all deciduous flowering trees. Flowers are borne in large racemes at the tips of the new growths during the early Summer. The color is a delightful shade of bright pink. When the trees are in bloom they are simply a mass of color. Strong plants..... 1.00

CRIMSON (Crimson Crepe Myrtle). Similar to the foregoing but with deep rosy crimson flowers..... 1.00

LAURUSTINUS

An excellent shrub that blooms early in the spring, makes a wonderful hedge plant, or for massing with other shrubs ..... .60

LEONOTUS

LEONURUS ("Lion's Tail"). A very showy soft wood shrub with hairy stems and brilliant orange-red, tassel-like flowers at the joints of the stems. Very fast growing and a novel, distinctive shrub..... .60

LEPTOSPERMUM

LAEVIGATUM. A lovely Australian shrub with long, weeping branches, densely foliaged with small whitish green leaves. During the Spring the plants are literally covered with minute white flowers. Attractive both in and out of bloom..... .75

LONICERA (BUSH HONEYSUCKLE)

NITIDA. A beautiful shrub with small, dark foliage and white flowers. Useful both as a shrub or hedge plant ..... .60

LIGUSTRUM (PRIVET)

Each

NEPALENSE. This is the most popular plant for hedges, can be trimmed to any desired height. Flats of 100 plants, $2.50. Gallon cans..... .50

GOLDEN PRIVET. Same as above in form with with beautiful yellow and green foliage. Flats of 100 plants, $3.50. Gallon cans..... .50

MYRTUS (ENGLISH MYRTLE)

COMMUNIS. A splendid dwarf evergreen plant suitable for borders or hedges, also of equal value if allowed to grow into specimens. Bears masses of fragrant pure white flowers. Gallon cans..... .75

COMMUNIS MICROPHYLLA. Identical with the preceding, but with much smaller leaves. Gallon cans.. .75

NANDINA

DOMESTICA. This shrub from Japan makes one of the most beautiful of all lawn specimens, or it may be treated as a potted plant for indoor ornamentation. The leaves take on rich Autumn colors in the Fall, of red, copper and brown at which time it is exceedingly attractive. Extra fine plants..... .75

OLEANDERS

These make beautiful specimens in a short time and are practically ever-blooming. They will stand several degrees of frost without injury. Of splendid value for such locations as Arizona, Texas, and generally speaking, the Southwest, where the temperatures do not go too low. We can offer them to you in the following colors: Cerise, $0.75; White, $0.75; Pink.... .75

PAMPAS GRASS

A very ornamental plant bearing large silvery white plumes; valuable for certain locations on lawn, among other shrubbery or around pools..... .75

PHILADELPHUS (MOCKORANGE)

Very handsome and vigorous growing shrub with large foliage and beautiful flowers, which are produced in great profusion the latter part of April and early May.

CORONARIUS (Sweet Mockorange). Flowers pure white, very sweet, produced in great profusion..... .75

PINUS

HALAPENSIS. This handsome Mediterranean pine tree is especially adapted to planting in California. It forms a dense growth, withstands drought to a marked degree. Owing to its value we have grown a very large stock of this variety..... .75

INSIGNIS. The well known Monterey Pine. A rapid-growing variety with handsome, dark green needles. .75

PITTOSPORUM

The bright, glossy green foliage of the various Pittosporums, coupled with their delicately fragrant blossoms, places them in the front rank of medium high garden shrubs. We offer two of the very best.

UNDULATUM. Handsome undulated foliage, light green in color. Flowers delightfully scented. Strong plants ..... .75

TOBIRA. Dark green, glossy foliage. White fragrant flowers ..... .75

PLUMBAGO

CAPENSIS. A tall growing, drooping shrub that is covered practically the entire year with sky blue flowers, does best in a sunny position..... .75

SPIRAEA

Medium-sized shrubs of free blooming habit, varying in appearance, color of flowers, and manner of blooming. All have very small flowers borne in compact clusters of different forms. Do well in any ordinary good garden soil.

ANTHONY WATERER. Dwarf but erect form, growing about three feet high. Flowers bright crimson, in flattened heads at ends of branches. Blooms about midsummer ..... .75

VAN HOUTTEI. Branches arching and drooping with the weight of the flowers, which are borne so freely in Spring as to cover plant completely with a mass of snowy bloom. Very beautiful and extremely hardy.. .75

SYRINGA – (LILAC)

These old-fashioned shrubs have been popular for ages. The first blooms appear here the latter part of March. The Lilac will give the best results in fertile soil, moderately moist, but well-drained. Budded plants. Purple and white $1.00

ORNAMENTAL SHRUBS, TREES AND VINES—Continued

TRITOMAS (RED HOT POKER)

Each

For sub-tropical effects in gardens the various Tritomas are of splendid value. Their fiery spikes of bloom and rich grassy foliage make them conspicuous objects in the garden.

PFITZERII. A constant blooming variety with spikes four to five feet high. Color a rich shade of orange scarlet ..... .35

VERONICA

A compact growing class of shrubs that are hardy and adaptable to sun or shade.

DECUSSATA. Rather dwarf. Leaves medium sized and closely set. Flowers large, violet blue. An excellent plant ..... .60

IMPERIALIS. Growth strong and rather spreading. Leaves large, dark green with purple margins and midribs. Flowers amaranth red. Very handsome..... .60

VIBURNUM (SNOWBALL)

OPULUS STERILE. The well-known eastern Snowball does equally well in California, blooms in the early Spring. Beautiful white flowers..... .75

WEIGELA (DIERVILLA)

Hardy, profuse-blooming shrubs of spreading habit. These are among the showiest of the garden shrubs, producing in early April great masses of showy flowers.

ROSEA (Pink Weigela). Flowers are light pink; compact grower, free bloomer..... .75

CLIMBING AND TRAILING PLANTS

AMPELOPSIS

Well known deciduous vines climbing by tendrils. All assume most gorgeous autumnal tints.

QUINQUEFOLIA (Virginia Creeper). Very well known. Leaves large with five leaflets. Berries dark purple with a bloom, borne on red stalks. Foliage colors a most intense scarlet early in the Fall..... .75

VEITCHII (Boston Ivy). Perfectly distinct from Virginia Creeper. Leaves on very young plants are divided into three separate leaflets, but on older plants are merely three-lobed. Foliage is dense and very glossy. Tendrils furnished with small discs, which adhere tenaciously to brick, stone or even wood. Foliage turns red in Fall..... .75

BIGNONIA (TRUMPET FLOWER)

These beautiful plants are deserving of more attention than they have received. Their flowers are large, showy, of the most delicate shades and colors. For covering walls, rocks, trellis-work, or for climbing trees they have few equals. We consider the following the best varieties:

VENUSTA, Yellow. **CHERERE,** Red. **McKENNII,** Pink. **CAPENSIS,** Orange scarlet. **TWEEDIANA,** Yellow... .75

FICUS

REPENS. Extremely handsome evergreen climber with about same habit as the well known Boston Ivy. It adheres closely to walls by its clinging tendrils. Leaves are small, dark green and heart-shaped. Perfectly hardy. Plants in pots..... .35

HEDERA

ENGLISH IVY. The well known species with very dark green, leathery leaves, usually about five-lobed. Old vines have greenish flowers and black berries in clusters on lower part of plant. Small plants, **15c** each, **$1.50** dozen. Gallon cans..... .50

JASMINE

OFFICINALE. Slender vine with finely divided pinnate leaves and numerous small, white, fragrant flowers. Summer bloomer. Partly evergreen..... .75

PRIMULINUM. A recent and very valuable introduction. It is not only the fastest growing Jasmine, but the quickest-growing climber. Flowers clear primrose yellow ..... .75

HONEYSUCKLE

Growth extremely strong. Old leaves dull green. New growth is reddish purple on branches and backs of leaves. Flowers white inside, purplish outside. One of the very best vines where rapid growth and a dense mass of foliage are desired..... .50

WISTARIA

One of the prettiest climbing vines. Has long racemes of pea shaped flowers that almost cover the plant in early Spring. Grafted plants in white and purple.... 1.50

FERNS

ASPARAGUS FERNS

Each

PLUMOSUS. Used extensively for mixing with cut flowers, grows best in the shade, responds to good rich soil. **$2.00** dozen..... .20

SWORD FERN

A great favorite for outside planting as well as for pot culture. **$2.00** dozen..... .20

WOODWARDIA FERN

The Giant Brake or mountain fern grows to a height of 6 feet, requires a moist shady place for best results .50

GERMAIN'S SELECTION OF CHOICE CHRYSANTHEMUMS

Chrysanthemum Plants are not ready for shipment until after April 15th.

In the following list of varieties will be found a collection which is exemplary in every respect. Every variety offered is one of sterling quality. The plants which we offer have been propagated from cuttings and will be ready for delivery between **April 15th** and **May 1st.** We do not advise planting Chrysanthemums too early, as they become hard and woody long before the flowering season begins, and if they are to be pinched for large flowers, the crop will often prove a failure, as a result of too early planting.

JAPANESE CHRYSANTHEMUMS

CHAS. RAZER. Pure white incurve. Good.

COLONEL APPLETON. Enormous golden yellow flowers. Splendid stems.

EDGAR SANDERS. Deep bronze with lighter reverse. Extra large.

HARVARD. Dark crimson reflex. Matures in November.

INTENSITY. Red, bronze reverse. A very easy grower.

LAVENDER FEATHER. A most prolific bloomer. Grows 6 feet tall with us. Is full of very stunning deep lavender flowers which produce a most artistic effect in baskets or decorations.

MARIGOLD. A monster flower. Matures October 15th. Color clear yellow.

MISTLETOE. Blush white. Good size, blooms around Thanksgiving.

NAGIRROC. Deep glowing orange bronze. Fine exhibition variety.

PINK TURNER. A good pink blooming about October 15th. Easy to grow.

ROSE PERFECTION. Seeding of Chieftain, better in color. Matures in November.

SMITH'S ADVANCE. Earliest white for garden use. Blooms July 25.

All of the above **20c** each; **$2.00** dozen.

POMPONS

ADIRONDA. Fine early bronze, blooming October 15th.

CORA PECK BUHL. Resembles Golden Climax in form and flowers. Deepest in color of all the yellows.

FRANCES HUCKVALE. Gardenia white, with creamy shaded center.

LA GRAVERE. Best deep red, late bloomer.

RODI. Large purplish rose button type. Upright growth. Fine keeper.

ROSE CHARM. Bright rose pink. Fine sprays and strong growth.

All of the above **20c** each; **$2.00** dozen.

GERMAIN'S SELECTION OF PERENNIAL PHLOX

Amongst the various herbaceous perennials, there are but few plants which grow with the freedom and blossom over such an extended period as the various Perennial Phloxes. Our collection of these comprise many of the new French varieties, all of which are marvels of beauty, and are remarkable alike for the immense size of the individual florets, as well as the enormous size of the trusses. Once planted, with each recurring season there is an added show of color to the garden, all with little or no trouble beyond a little attention so far as watering and fertilizing is concerned.

	Each	Doz.
B. COMTE. A splendid shade of crimson purple.	$0.25	$2.50
BRIDESMAID. Pure snowy white ground, with a crimson eye	.20	2.00
ELIZABETH CAMPBELL. Best pure light pink.	.25	2.50
MRS. JENKINS. Immense flowered, tall, pure white	.25	2.50
PREF. SCHEILEMANN. Lilac rose	.20	2.00
RYNSTROM. A delicate shade of soft pink	.25	2.50

DECIDUOUS FRUIT TREES

Contained in the following you will find a complete list of the various fruit trees, vines, and berry plants that we have to offer for this season. After the description of each variety we have noted the month of ripening. All prices are quoted f. o. b. Los Angeles, and due to market changes, are subject to change without notice. In general we supply one dozen trees for the price of ten. Please write us for special prices in large quantities.

PLANTING INSTRUCTIONS

On receipt of shipment unpack it immediately, and if not planted at once place the roots of the trees in a trench, cover them with soil, and water thoroughly, so as to settle the dirt well about the roots. For this purpose it is well to open the bundle. If on account of delay enroute the trees look withered, bury them entirely in wet soil for a few days until they have recovered.

It is of great importance to dig holes deeper and larger than is necessary to admit all the roots in their natural position, keeping the surface and subsoil separate. While we exercise the greatest care possible in digging and packing the trees the loss or injury of the roots is sometimes unavoidable. Any injured roots should be cut off with a sharp knife. Fill the hole with the surface soil, so that the tree after the earth has settled will stand about as deep as it did in the nursery, a line which can usually be noted by a difference in color. Settle the soil well around the roots by filling the hole with water. Never let manure come in contact with the roots, but it can be used as a top dressing.

Grass or weeds should never be allowed to grow around the trees. The ground should be thoroughly cultivated, so that the finely pulverized soil forms a mulch over the whole surface of the ground.

Apples, Apricots, Peaches, Pears, etc., should be pruned back according to the size of the tree. Tree protectors should be used against sunburn.

GUARANTEE

While we exercise the greatest care to have all stock true to its name, it is understood and agreed that should any stock prove untrue to name we shall be held liable only for the sum paid for the stock that may prove untrue and shall not be held liable for any greater amount.

JONATHAN APPLE

ALMONDS—75c EACH

I. X. L. Nut large, soft shell, good bearer. Vigorous, upright grower. One of the best commercial varieties.

TEXAS PROLIFIC. Medium size, soft shell, regular and heavy bearer. Good for pollenizing others.

NONPAREIL. Medium size, thin shell, good quality and prolific.

APPLES—75c EACH

DELICIOUS. An excellent variety of delicious flavor. Large, conical, brilliant red on yellow ground. Flesh crisp, juicy and sweet Strong grower, good bearer and keeper. "November."

EARLY HARVEST. Medium, flattened, yellow. A favorite summer variety. "July."

JONATHAN. Fruit medium, roundish, skin yellow nearly covered with lively red, flesh fine grained, good keeper. "October to December."

RED JUNE. Medium, oblong, deep red, excellent early table variety "June to July."

WHITE WINTER PEARMAIN. Medium size, skin light yellowish green, flesh tender. One of the leading varieties. "November."

WINESAP. Medium size, dark red. A favorite variety in the West. "November."

YELLOW BELLFLOWER. Large yellow with a blush on the sunny side. Very tender, juicy. An excellent apple. "October."

YELLOW NEWTON PIPPIN. Medium to large, yellow, very firm, crisp, juicy with a very high flavor. "December."

CRAB APPLES—75c EACH

TRANSCENDENT. Medium large, round, yellow striped with red. Highly recommended. "August."

HYSLOP. Deep crimson. Very popular on account of its large size, beauty and hardiness. Vigorous grower. "August".

APRICOTS—75c EACH

ROYAL. Medium to large, oval, orange in color, sweet excellent flavor. Very productive. Highly recommended for all purposes. "Early June."

NEWCASTLE. Medium, orange with red cheek. Ripens early. Fine for family and an early market. "First of June."

CHERRY—$1.00 EACH

BING. Dark red nearly black. Brings best prices in all cherry districts. Fine flavor, very productive. "Late June."

BLACK TARTARIAN. Large, purplish black flesh, juicy, rich and sweet. Strong grower and prolific bearer. "June."

EARLY RICHMOND. Medium size, red, melting juicy, slightly acid flavor. "Late May."

MORELLO. Medium to large, blackish red, acid, juicy. Very productive. "July."

ROYAL ANN. Large, yellow light with red cheek. Flesh juicy and sweet. "Late June."

PEARS—75c EACH

WINTER NELIS. An early winter pear of very good quality. Fruit medium size and dark russet in color, heavy bearer and good flavor. "December."

KIEFFER. A large fruit variety of golden yellow color. Flesh somewhat coarse and juicy, and quince flavor. "October."

BARTLETT. The best known and most popular pear in California. The tree is a vigorous grower, bearing abundantly, fruit of large size, and rich flavor. "August."

QUINCE—75c EACH

This fruit succeeds almost everywhere in California and is especially in demand for jellies and preserving.

CHAMPION. Large, light yellow, very productive. "September."

ORANGE. Large, greenish yellow, valuable old variety. "Late September."

VAN DEMAN. Originated by Burbank. Hardy and a strong grower, early and prolific bearer, ripens through a long season and keeps well "Late September."

BARTLETT PEAR

DECIDUOUS FRUIT TREES

ELBERTA PEACH

PEACHES—75c EACH

The trees do best on a well drained sandy loam, rather than on land inclined to be moist. When too many fruits have set the only remedy is to thin them out. Thinning is done before the pit has formed.

FREE STONE

EARLY CRAWFORD. Very large, oblong, golden yellow with red cheek. Flesh yellow, juicy and sweet. "July."

ELBERTA. Oblong, bright golden yellow with beautiful red cheek. Flesh very firm, juicy and sweet, vigorous and very productive. One of the best for all purposes. "August."

FOSTER. Large, bright yellow with dark cheek. Resembles early Crawford, much better quality, ripens earlier. "July."

GEORGE IV. Large, flesh white, skin creamy white shaded red, prolific. "July."

J. H. HALE. Valuable new variety, resembles Elberta but larger and better quality. Skin almost fuzzless, flesh very firm, good shipper. One of the best yellow freestones. "August."

LATE CRAWFORD. Large golden yellow with dull red cheek. Flesh yellow, juicy and sweet. "August."

LOVELL. A California variety, large, almost perfectly round, clear golden yellow, with faint red blush. Flesh fine, grain firm and yellow to the pit. A superb canning and drying peach. Also excellent for table use. Highly recommended. "August."

MILLER'S LATE. Matures three weeks later than Salway. Fine flavor. Flesh yellow. The latest of all yellow freestones. October.

SALWAY. Large round, yellow shaded red, sweet and rich flavor. Good canning peach, also best for late market. "September."

SAUCER. Australian, medium size, flattened on both ends, Creamish white, shaded crimson. Flesh white. A peculiar sweet flavor. "June."

IMPERIAL. Early free, a strong vigorous grower yielding abundantly. Fruit large with small pit, skin yellow, heavily shaded with dark red. Flesh yellow, rich and firm. Desirable for both shipping and home use. "Late June to July."

CLINGSTONE

Clingstone peaches are much sought after by canners on account of their richness and firmness. Recommended for home canning.

LEMON CLING. Large, oblong, yellow shaded red. Flesh yellow. "August."

McCLURE'S STRAWBERRY CLING. A new valuable variety, large creamy white, nearly covered with brilliant crimson. Flesh white, red around the pit. Excellent for table and market. "August."

TUSCAN CLING. A popular canning variety. A fancy peach, large, deep red on sunny side, solid yellow fleshed. Early and heavy bearer. "July."

ORANGE CLING. Very large, golden yellow with crimson cheek. Flesh yellow, sweet, delicious. Much desired for home canning. "Late August."

PHILLIP'S CLING. This prime variety is well known and esteemed as the standard of excellence among canning peaches. Large, round with a slight blush on the sunny side. Flesh firm, yellow to the center, pit small. "Late August."

PLUMS—75c EACH

This fruit grows well in all parts of the state. The Japanese varieties and their crosses occupy a prominent place in the plum culture of California. The European varieties are also held in considerable favor, especially for canning purposes.

BLUE DAMSON. Small, skin purple, flesh yellowish green. Juicy and rather tart. An old favorite sort for making jam. "September."

BURBANK. Medium large, yellow mottled red, flesh yellow, small pit, very productive. "July."

HALE. Medium, yellowish green slightly shaded red. Very juicy and delicious. Regular and heavy bearer, fine for table and market. "Late June."

SANTA ROSA. Large purplish crimson, flesh yellow mottled crimson. Very good quality, excellent for all purposes. "Early July."

SATSUMA. A very large and well flavored plum with blood red flesh, skin blush red, a very small pit. Vigorous and productive. A well known variety much in demand for home canning. "July."

WICKSON. Deep cherry red to a rich claret color when ripe. Flesh amber very juicy. "August."

PLUMCOTS—75c EACH

APEX. This fruit is indicated by its name. Is a very satisfactory combination of the Apricot and the Plum. Large round, yellow rich and aromatic. "June."

PRUNES—75c EACH

The prune is really a plum with the distinguishing characteristic that it dries sweet and makes a commercial product. In California the prune industry is one of the great horticultural interests of the state.

FRENCH. The best of all commercial Prunes. Medium size, skin reddish purple with a blue bloom. Flesh very sweet and rich. Regular bearer, used extensively for drying in California. "August."

SUGAR. Medium large, dark purple, flesh yellow, juicy and sweet. Excellent for canning and drying. Vigorous and productive. "August."

TRAGEDY. Large, dark purple, yellowish green meat, rich and sweet. Fine table prune. "July."

NECTARINES—75c EACH

The Nectarine is practically a peach with a smooth skin. Its delicious and aromatic flavor makes it especially valuable for the table and also for drying and canning. It requires the same culture as the peach.

BOSTON. Large, deep yellow with bright blush and mottling of red. Sweet and of a peculiar, pleasant flavor. Ripens in August.

STANWICK. Large, greenish white with violet cheek, flesh white, juicy and delicious. "August."

SATSUMA PLUM

DECIDUOUS AND CITRUS FRUIT TREES

EUREKA WALNUT

IXL ALMOND

WALNUTS—$2.00 EACH

The English Walnut is the great commercial nut of California, and the class of nuts known as soft shells is the one universally planted at the present time. A deep rich soil is best adapted for the Walnut. Much attention has been given in recent years to the budding and grafting of the Walnut. Budded or grafted trees yield a nut larger than the average seedlings.

EUREKA, ON BLACK ROOT. Large oblong, soft shell tightly sealed. Tree vigorous grower, blight resisting, good producer, blooms very late. Therefore, not so much subject to late frosts. 6 to 8 feet.

PLACENTIA PERFECTION, ON BLACK ROOT. A favorite in Southern California. Nuts large, soft shell, white meat of excellent quality. Heavy and regular bearer. 6 to 8 feet.

FIGS—75c EACH

There is probably no fruit that repays its owner so well as a few fig trees. From early summer till late fall there is a constant supply of wholesome appetizing fruit. The trees require sufficient moisture to keep them constantly growing during the summer months, in order to fruit well.

BLACK MISSION. This is probably the most common black fig in California today. Fair size, dark purple, almost black in color Flesh very rich and sweet. Strong grower and heavy bearer. "August."

BLACK SPANISH. Not so black in color as the Black Mission, but a much larger fig, vigorous and very prolific. "August."

BROWN TURKEY. Large, dark purplish red, good quality, earliest to ripen and bearing fruit constantly until frost. Valuable market variety. "July."

KADOTA, or WHITE PACIFIC. This is one of the very best white Figs. Medium size, slightly elongated, yellowish green, flesh yellow, of excellent quality, rich and sweet as honey. Does not crack or sour and dries perfectly. Highly recommended for all purposes. "August to November."

WHITE ADRIATIC. Large, greenish yellow skin, red flesh. Vigorous grower and prolific bearer. One of the most common sorts grown in California. "August."

SAN PEDRO BLACK. A fine table variety, fruit large, somewhat elongated. Color violet black, tending to green toward the neck. Pulp of a coppery red color. Ripens early in September.

OLIVES—$1.50 EACH

The olive will thrive wherever Oranges do. The trees should be planted 24 to 30 feet apart and special care should be taken to prevent the roots from drying out when planting.

MISSION. This well-known old Spanish variety is still generally planted in California. Fruit medium large, jet black and most productive. Very vigorous. "November."

POMEGRANATE—75c EACH

The Pomegranate grows in bush form, and should not be pruned very much if a large crop of fruit is the main object. However, its glossy light green foliage and beautiful scarlet flowers render it also very desirable for ornamental purposes. A pomegranate hedge is especially beautiful.

PERSIMMONS—$1.75 EACH

The value of this beautiful and luscious fruit is becoming more and more recognized. Persimmons are particularly hard to transplant. The root must never be allowed to become dry before planting, and after planting until well established they must be well supplied with water. If this is neglected a large percentage may die.

HACHIYA. Very large, oblong conical, with short point. Very showy. Diameter three and three-fourths inches, skin bright red with occasional dark spots or blotches and rings at the apex. Flesh is a deep yellow, astringent until ripe, then very fine. The largest of all trees and vigorous.

CITRUS TREES

When planting a citrus tree the burlap should be left on the ball of the tree. If removed the soil is apt to fall away from the roots, thus lessening the chances of the tree to live.

ORANGE—$2.00 EACH

WASHINGTON NAVEL. The world wide famous California Orange. Fruit large and seedless. Flesh juicy, sweet and highly flavored. Ripens November to March.

VALENCIA. Sharing more and more the popularity of the Navel, and often bringing the highest prices in the market. Ripens after Navel season is over. Fruit medium size, few seeds, tender, sweet and delicious. "May to October."

LEMON—$2.00 EACH

EUREKA. This is the most commonly grown and leading market variety. Almost thornless. Fruit of a good even size and splendid quality. Almost seedless.

GRAPE FRUIT—$2.00 EACH

MARSH'S SEEDLESS. Extra large, practically seedless. It has a very fine flavor. Best of all Grape Fruits. Strong grower and heavy bearer.

TANGERINE—$2.50 EACH

DANCY. Very popular Mandarin variety. Skin orange red, meat juicy and sweet, few seeds. Vigorous and prolific. "March."

TOKAY GRAPE—See next page

GRAPE VINES AND SMALL FRUITS

All Prices on This Page Are Postpaid

GRAPES

FOREIGN VARIETIES—15c Each—$1.50 Doz.

BLACK MOROCCO. A fine late black grape. Very large berries. Flesh firm, bunch compact.

CORNICHON. Berries long and large, skin blue-black and thick Flesh firm, good flavor. Late keeper and good shipper. "October."

EMPEROR. Fruit large, oval, dark red, juicy and sweet. Good shipping and keeping quality. "November."

MALAGA. Very large, greenish white, meaty, sweet and juicy. "August."

MISSION. Medium size, blue-black, good for table and wine. "September."

MUSCAT. Standard table and raisin grape. Fruit large, greenish yellow. Flesh firm, sweet and juicy.

THOMPSON SEEDLESS. Small, yellow, very sweet and delicious flavor, prized for table raisins "August."

ZINFANDEL. Bunches large and compact. Planted extensively in California for the juice. "September."

FLAME TOKAY. Bunches and berries very large, pale red with bloom, flesh firm and sweet. "September."

AMERICAN OR EASTERN GRAPES—25c Each—$2.50 Doz.

CONCORD. The most widely known and popular of all American grapes. The vine is a healthy, vigorous grower, and being hardy, it succeeds where the more tender varieties fail. "August."

NIAGARA. Large fruit, pale yellow color, skin thin and tough, tender and sweet flesh. "August."

SMALL FRUITS

There are few if any sections in California where one or more of the so-called small fruits or berries do not thrive well. They are especially adapted to the garden, on account of the small space occupied, and the short time in which fruit can be obtained.

CURRANTS

FAY'S PROLIFIC. Extra large, very productive, red, excellent quality. 25c each, $2.50 doz.

GOOSEBERRIES

OREGON CHAMPION. Medium large, round, fine quality, productive and free from mildew. 25c each, $2.50 doz.

BLACKBERRIES

A most rampant grower. Should be trained on a trellis and be pruned back like the grape vine.

MAMMOTH. Strong grower and heavy bearer. Berries large, highly flavored and very sweet. Ripens early and fruits over a long period. Should also be grown on a trellis. Highly recommended. 15c each, $1.50 doz.

CORY'S MAMMOTH THORNLESS. Plant vigorous, sending up strong, stocky canes early in the spring, which often make a growth of twenty feet in one season. Can be kept in bush form by pruning. Ripens early, flavor delicious, sweet, flesh firm, melting and juicy, few seeds. Berries are very large. Vines are thornless, making picking easy. "June and July." 20c each, $2.00 doz.

HIMALAYA. A very rampant grower and heavy yielder. Fruit has few seeds. 15c each, $1.50 doz.

DEWBERRIES

A trailing low bush blackberry.

GARDENA. Berries large, ripens early, vigorous and very productive, fine quality. 15c each, $1.50 doz.

LUCRETIA. A delicious berry of high quality. 15c each, $1.50 doz.

LOGANBERRIES

Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red very large, often an inch and a quarter long The vines are rampant growers. 15c each, $1.50 doz.

RASPBERRIES

LA FRANCE. Without doubt the largest and most prolific raspberry ever grown. Fine flavor and thoroughly everbearing. Bears heavily in summer and fall. 25c each, $2.50 per dozen.

CUTHBERT. An old standard variety, very large, fine flavor, ripens over a long period. 15c each, $1.50 doz.

ST. REGIS EVERBEARING. A new early variety, ripens throughout the season. Berries large and of best quality, strong grower. 15c each, $1.50 doz.

KANSAS BLACK CAP. One of the best black Raspberries, vigorous and productive. 15c each, $1.50 doz.

STRAWBERRIES

CAROLINA. A new berry that has met with instant favor. A vigorous grower, with strong foliage, producing heavily berries of large size and fine flavor. 25c doz., $1.75 per 100.

KLONDYKE. A very popular berry. A vigorous grower, berries of medium size and good flavor. Recommended for shipping purposes. 20c doz., $1.50 per 100.

PROGRESSIVE. A new variety that will bear over a longer period than any other. The fruit is of fine flavor and good size. 35c doz., $2.50 per 100.

VEGETABLE PLANTS AND ROOTS

We beg to call your attention to the fact that in dozen and lots of 100, the prices below are parcel post or express prepaid.

ARTICHOKE

GREEN GLOBE. Artichokes are a delicious vegetable. They are easily grown in back yards, along fences, and in the vegetable garden, requiring very little care and attention after planting. The Green Globe Artichoke grows to a height of three to five feet with numerous branches and the roots should be set about 5 feet apart. The portion eaten is the underside of the head, before the flower opens. The whole head is removed and boiled, the leaves laid aside and the bottom eaten dipped in butter with a little pepper and salt. Strong field divisions, 25c each, $2.50 dozen.

CHIVES

An herb that is used for flavoring soups and meats, grows easily, but responds to rich soil. 15c each, $1.50 dozen.

ASPARAGUS

ARGENTEUIL. Exceedingly popular wherever grown in this country. Stalks are large and very tender. Color white. 35c dozen, $2.50 C.

PALMETTO. The Standard variety of California. Shoots are light green, slightly tinted pink, and are very tender to an unusual length. 35c dozen, $2.50 C.

WASHINGTON. A variety that has come to the front in the last few years, grows very large and is very rust resistant. 35c dozen, $2.50 C.

RHUBARB

PANAMA. A variety that grows all the year round. Yields twice as much as any other rhubarb and requires half the amount of sugar. It is comparatively free from acid and requires no peeling. 35c each, $3.50 doz.

WAGNER'S GIANT. A standard variety that is well known. Grows very rapidly and is hardy in any climate. Stalks are large and have a very fine flavor. 25c each, $2.50 dozen.

Germain's Winnigstadt Cabbage

THE PROVEN STRAIN

We recommend **Germain's Winnigstadt Cabbage** for many reasons, the most important of which are as follows:

SURE HEADER. Germain's Winnigstadt Cabbage is a strain that has been improved upon year after year until we have a type that is a sure header.

HARDINESS. Germain's strain, is a type that withstands wet and cold, is as immune from disease as any one is able to get it: its rugged growth withstands the attacks of insect pests.

GOOD SHIPPER. It is a strain of seed that will enable you to place on the market with the local or eastern houses a Cabbage that is in fine condition and commands the highest prices. It has proven without a doubt, that it is the best keeper, and therefore the best Cabbage California can produce.

EARLINESS. It is the earliest of the early. It is the one that is on the market before other strains. The first Cabbage from the field is usually the Cabbage that commands the highest market prices, and if you desire to grow for an early market, you cannot secure a type of Cabbage that will produce a crop earlier and more perfect than **Germain's strain of Winnigstadt Cabbage.**

Prices: Packet, **10** cents; ounce, **35** cents; ¼-pound, **$1.20**; one-pound, **$3.50.**

The Winnigstadt Cabbage Seed you sent me last spring came up splendidly in large thrifty plants, and having more than I wanted I furnished my neighbors with plants. They are all unanimous in saying that the cabbage is far superior to anything of the kind they have ever grown. They are solid, sweet and very crisp and tender.

Willis E. Steadman, Inspiration, Ariz.

I wish to tell you that I had very good results from the Early Winnigstadt Cabbage Seed, and also with all the other seeds that I purchased from you.

Maira G. Lima, San Luis Obispo, Calif.

The Winnigstadt Cabbage Seed did wonderfully. I have about twelve heads of the cabbage yet.

Wm. J. Leonard, Isabella, Calif.

Germain's Cannon Ball Cabbage

This is an early variety of the round-headed type, producing a very heavy crop. For uniformity of head, solid, compact nature, and excellent quality it is unsurpassed. The meat is tender, the very few outer leaves make it a variety in great demand. It can be placed on the market as early as any other Cabbage, thus finding an exceptionally good market, invariably. Below we are reproducing a field of **Cannon Ball Cabbage** showing the immensity of its growing properties. We recommend it.

Prices: Packet, **10c**; ounce, **40c**; ¼-lb., **$1.35**; one pound, **$4.00**.

The cabbage seed is all you advertised and am well pleased with the cabbage, very fine flavor, sweet and juicy, and for me I always want the Cannon Ball Cabbage and no complaint to find with any other seed purchased from your company

W. L. BUTTERFIELD, Manzanar, Calif.

I was very well pleased with the Cannon Ball Cabbage Seed, and that the flavor of the cabbage is even better than I expected. It is, in fact, the best flavored cabbage I ever ate. I am going to try it as a variety winter cabbage. It is a splendid heading. I have been very well pleased with all the seeds and plants I have received from you.

MRS. FRANCIS WILSON, Petaluma, Calif.

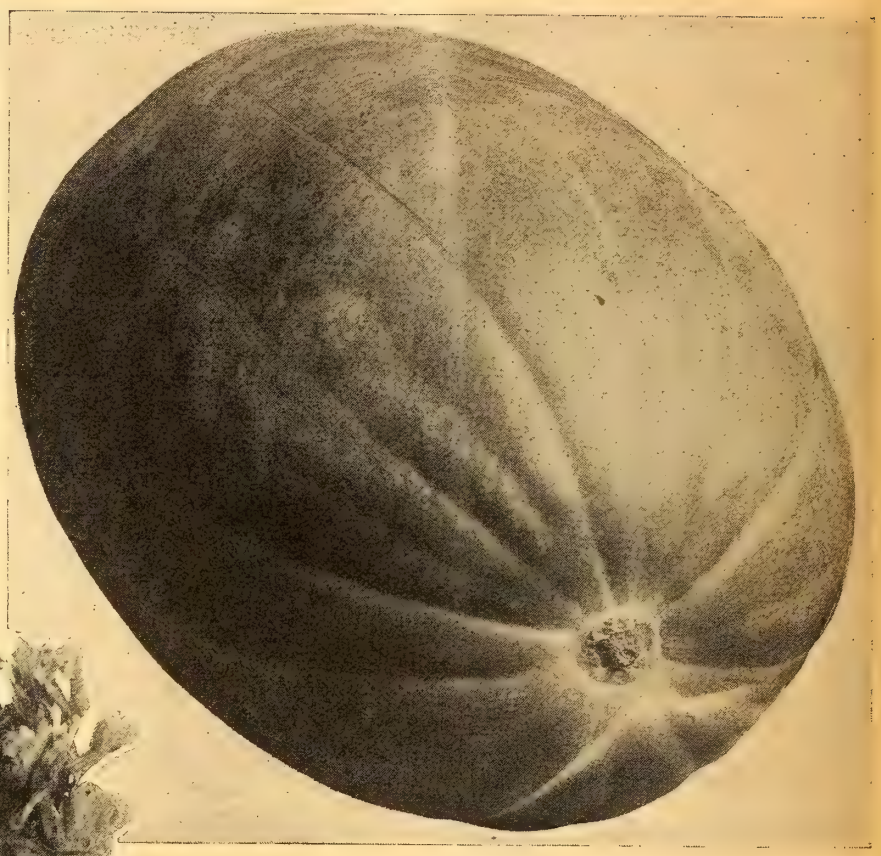
The photograph represents part of a thirty acre field of Cannon Ball Cabbage planted from Germain's Seed.

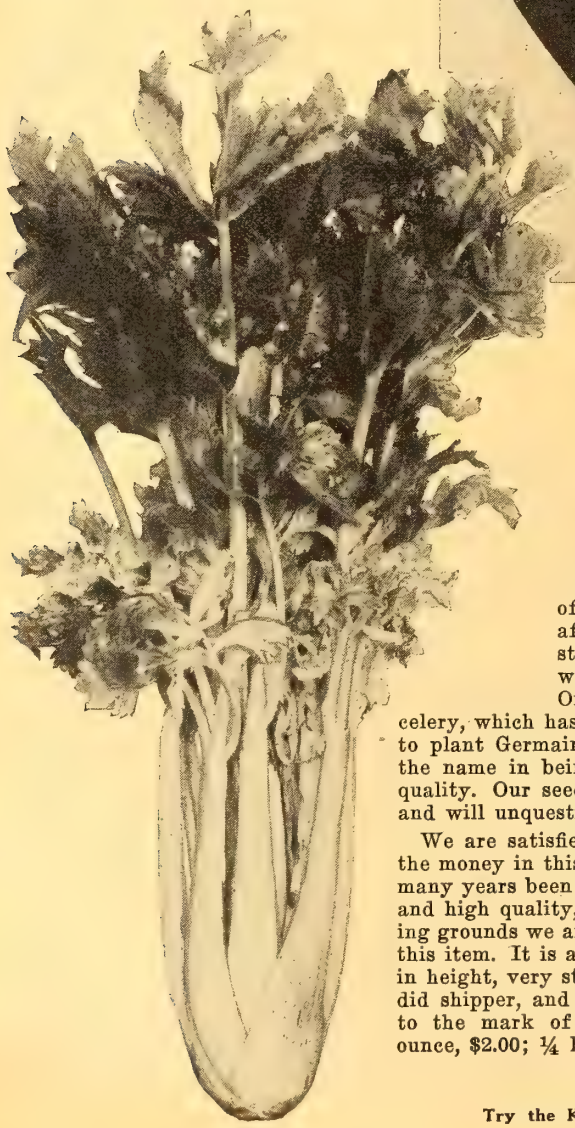
GERMAIN'S KLONDIKE WATERMELON

Although of rather recent introduction the Klondike is a melon of such superb quality, that by far the largest part of the watermelon crop both for local consumption and shipping to nearby markets is from this variety.

We recently heard the statement made by a prominent shipper that during the heighth of the season, the Los Angeles market normally consumed from sixty-five to seventy-five carloads of watermelon each day and that practically all of them were Klondike.

The Klondike is quite the ideal watermelon, being of medium size, oval in shape, has a thin, though tough, rind and when cut is most pleasing to the eye, being of a bright red, seeds dark mottled brown, flesh rich and luscious and is without doubt the sweetest watermelon grown. We have spared no pains with our stock of this wonderful melon, having it grown in an isolated locality, the melons carefully selected and seed saved by hand, and we are sure our customers will be pleased if they plant Germain's Selected Klondike Watermelon. Price: Packet, **10 cents**; ounce, **25 cents**; one-fourth pound, **85 cents**; one pound, **$2.50**, postpaid.





GERMAIN'S GOLDEN SELF-BLANCHING CELERY SEED

(French Stock)

Nothing compares with this superb strain of celery seed. We have endeavored year after year to obtain only the best of French stock to offer our customers, and we feel well repaid for our efforts in this variety. One who delights in crisp, tender yet mild celery, which has a characteristic flavor, will not hesitate to plant Germain's Golden Self-Blanching. It is true to the name in being self-blanching, and is of the highest quality. Our seed is selected for purity and germination and will unquestionably meet with your approval.

We are satisfied we are offering the greatest value for the money in this tried and true sort. Celery seed has for many years been a strong item with Germain's for purity and high quality, but with the establishment of our testing grounds we are in a better position than ever to praise this item. It is a thrifty variety, growing 18 to 22 inches in height, very stocky, heavy, perfectly solid and a splendid shipper, and from every point of analysis is entitled to the mark of approval of this house. Packet, 15c; ounce, $2.00; ¼ lb., $6.00; 1 lb. $20.00.

TRIAL GROUNDS

Though we are not farmers on a large scale, it may interest our customers to know that at our Trial Grounds in the San Fernando Valley, we do grow all varieties of garden truck. Every lot of seed, whether a pound, a ton, or a carload, has two samples taken, one is sent to our seed testing laboratory where a test is made for germination, the other goes to our Trial Grounds, where they are planted and grown to maturity so that we are able to get first hand experience in growing a full line of garden crops. We have on a miniature scale a truck farm where we have all the difficulties of a regular gardener, fighting insects and other troubles, and where we have a chance to carefully note the respective merits of all varieties, both old and new.

This work is under the supervision of the manager of our Garden Seed department, who has had 25 years actual experience in seed growing. And while this necessarily means considerable expense in growing the hundreds of samples every year, we think the outlay is amply warranted.

GERMAIN'S GOLDEN BANTAM CORN

As a sweet corn one might say that Golden Bantam is unsurpassed. It is by far the sweetest and most delicious corn ever introduced. Golden Bantam is a dwarf early variety, growing four to five feet in height. The grains are golden yellow in color, the ears being eight rowed and from six to seven inches long. On account of its remarkable flavor it is an ideal home garden variety and we feel that no garden is complete without it.

Golden Bantam can be planted in hills three feet apart each way, or in rows three feet apart and the plants standing singly at nine inch intervals.

We heartily recommend it:

Gentlemen:—In the East we use Golden Bantam Sweet Corn altogether. It is one of the finest corns in the United States. Why don't you people recommend a corn of this quality in your catalogue rather than give it more mention. People don't seem to know about it! By all means give it a lot of publicity and you will never regret it as the seed will sell itself.

A. G. BALDWIN, Covina, Cal.

Price, packet 10c, ½-pound 20c, pound 35c, 10 pounds $3.00, postpaid.

Germain's Oregon Evergreen Corn is the best type to grow in Southern California both for its quality and for its yield. We have a strain of specially selected seed that will afford you ears most palatable and delicious. There is none better than **Germain's Oregon Evergreen Corn,** whether you are a home gardener or a market gardener. It can be grown early or late and with ordinary care will give more than a satisfactory crop. This Corn is extra sweet and due to the tight-folding of its shucks, is as near corn-worm proof as any. **Prices:** Pkt. **10c;** ½-lb. **20c;** 1 lb. **35c;** 10 lbs. **$3.00. Postpaid.**

Riverside, Calif.

Will say that it (the Evergreen Corn) was very satisfactory. The ears were large and full and very sweet. Will also add that other seed purchased from you gave very good satisfaction.

A. C. GIBFORD.

Blythe, Calif.

I am glad to say that my corn has done wonderfully, and has yielded by far the most of any I have ever planted. I planted two rows about 150 feet long, two seeds to the hill, and the hills three feet apart, and it was no time until it suckered out until the rows were solid and every stalk had from two to four ears on it of good size and good flavor. We ate all we could, supplied two of our neighbors with all they could eat, and then I am sure I must have fed all of two bushel to the hogs because it got too ripe on me. This coming year I will certainly have another patch of it. All my other garden seeds and plants which I have bought of you have also done splendidly except my Cauliflower, but I don't think I put them out at the right time. You can be assured of my order for all my garden seeds and plants for the coming year. JOE BRUYNEEL.

Somerton, Ariz., September 25, 1921.

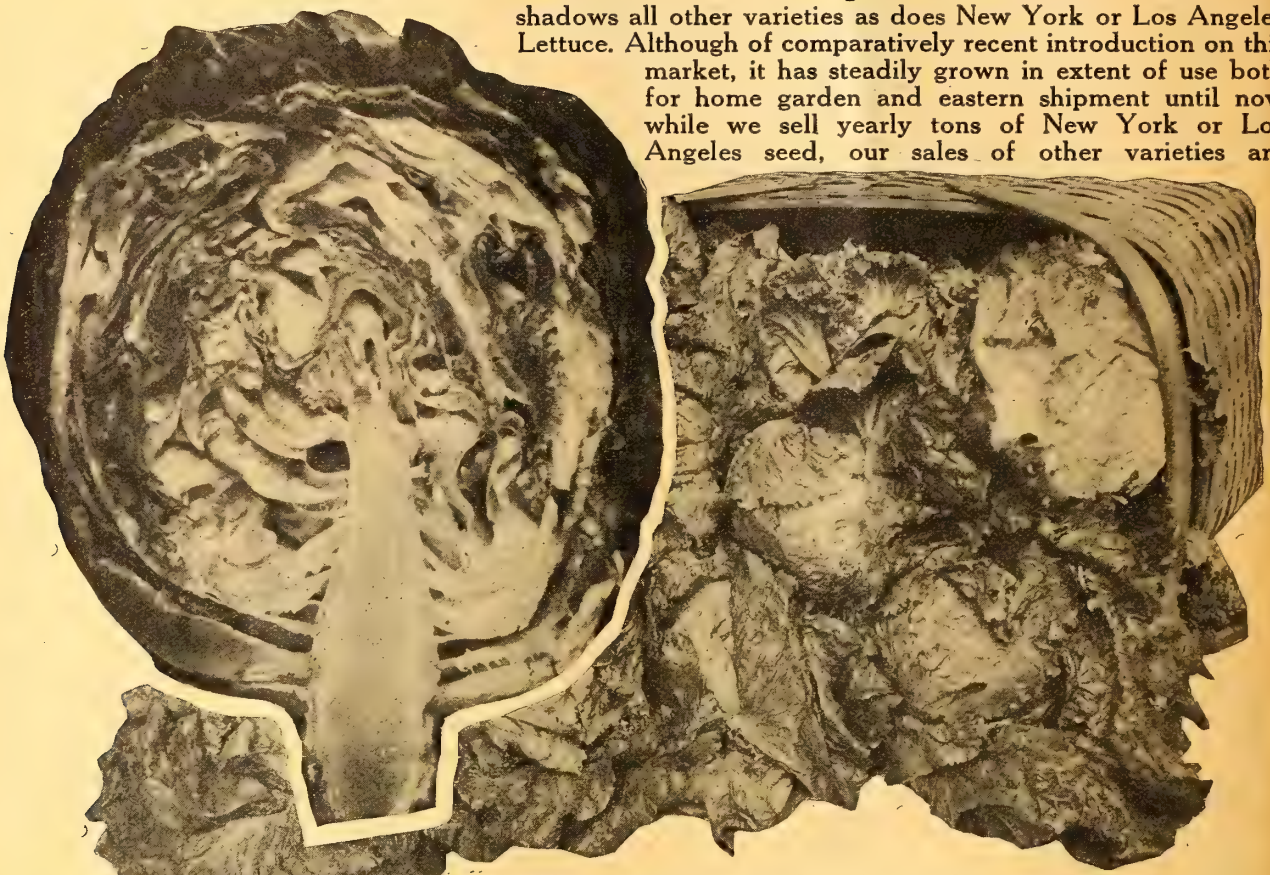
The Oregon Evergreen Corn was very satisfactory, being tender and of good flavor. All the seed purchased from you gave good results.

MRS. E. FRAUENFELDER.

The corn (Oregon Evergreen) was very satisfactory. Will plant it again in the spring. C. I. BRADBURY, Artesia, Cal.

NEW YORK-LOS ANGELES MARKET LETTUCE

In our whole list of vegetables there is none that so overshadows all other varieties as does New York or Los Angeles Lettuce. Although of comparatively recent introduction on this market, it has steadily grown in extent of use both for home garden and eastern shipment until now while we sell yearly tons of New York or Los Angeles seed, our sales of other varieties are



negligible in comparison and market gardeners and shippers now use this splendid variety almost exclusively, over twenty thousand carloads being shipped annually to eastern markets, beside the local consumption. The seed we offer of New York or Los Angeles is the result of most careful and continuous selection and breeding from the best plants available and our stock is far superior to some strains offered and is used exclusively by some of the largest growers and shippers. Plant our selected strain of New York or Los Angeles and be assured of a beautiful crop of perfect heading lettuce of finest quality, crisp, tender and delicious. An excellent home garden variety.

It matures quickly a large solid head, crisp, tender and of finest quality. With successive plantings of this splendid variety your table need never be without the finest lettuce grown.

MARKET GARDENERS

Probably no other class of planters are so keen in demanding the best in seeds as the Market Gardeners whose entire income may be lost by planting inferior seed. To meet a constantly increasing demand from this trade we are now putting up in sealed bags our Special Market Gardeners strain of this seed grown from carefully selected stock seed, thoroughly rogued, and perfectly cleaned. We have spared no expense to make this the last word in seed suitable for the most critical planter.

This Market Gardeners special strain is put up in sealed bags only.

Pkt., 10 cents; oz. 30 cents; ¼ lb. $1.00; 1 lb. $3.00; 5 lb. $2.75 per pound.

The Iceberg Lettuce [24] is a fine companion variety

GERMAIN'S CALIFORNIA WONDER PEPPER

It is seldom we are able to add to our list of vegetables a new variety that so far surpasses existing varieties as does this really wonderful new pepper.

SIZE—Nearly as large as Chinese Giant.

SHAPE—Short blocky square ended. Ideal to stuff and bake, or serve whole filled with salad.

COLOR—A bright attractive green, changing to a brilliant light crimson.

QUALITY—Most deliciously sweet and spicy with no bite to it. Not only is it ideal in size and shape, but the meat is thicker, firmer and freer from crooks and wrinkles than any other sort.

Being an aristocrat it demands careful treatment and should be planted on fine well-fertilized soil for best results. For shipping to local or distant markets it will replace other varieties. Packet, 25c; ounce, $2.50; ¼ lb., $8.35; lb., $25.00.

GERMAIN'S RUBY KING PEPPER

Without fear of contradiction we can recommend Germain's Ruby King Pepper as being an ideal pepper for both home and market garden purposes. It is, in fact, one of the most popular of the many varieties.

We can absolutely recommend our strain for its many good qualities. The fruit grows to a size of four to five inches in length and three to three and one-half inches thick. The color is dark green when young, turning to a bright ruby red, and really ideal for pickling purposes. The flesh is thick, crisp, and tender, and the flavor is quite mild.

To our mind the variety Ruby King is by far one of the most desirable to be had. Price per packet, **10 cents**; ounce, **80 cents**; ¼ lb., **$2.65**; 1 lb., **$8.00**. Postpaid.

Germain's Premium Globe Tomato

See Photograph to the Right

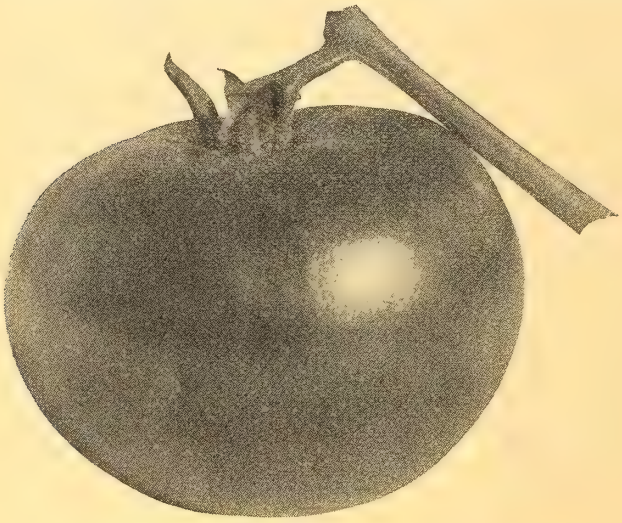
From all angles Germain's Globe tomato is probably the best grown. Primarily it gets its reputation from its shipping qualities, as it is undoubtedly the best shipping tomato known. During the past few months we have sent thousands of pounds of this variety into Mexico, where the vast majority of our winter tomatoes are grown. These come into the United States markets from January on, and provide the nation with winter fruit.

But as an all around tomato it is also equal to any and superior to most. For the home garden and for the market nothing better can be planted.

This variety is of a distinct globe shape, with a tendency to elongation, this resulting in a great number of slices being made from each fruit. The fruit is large, smooth skin, firm flesh, with few seeds. It is an early variety and ripens early. The color is rose with purple tinge.

Large quantities of fruit are borne by each vine, and as for quality it is unequalled by any, having a mild, pleasant taste and remarkably fine flavor.

Price: Packet **10c**; ounce, **75c**; ¼-lb., **$2.50**; one pound, **$7.50**, postpaid.



Germain's Winter Queen

See Photograph to ths Right

It is our business to find the best of everything for our customers. It is a policy that has made us a host of friends and built up a big seed and plant house.

One of our hobbies for years has been the tomato, and we have left no stone unturned in the development of this strain of **Winter Queen** to the high state of perfection which it now occupies.

Its compact bush is in striking contrast to the sprawling habit of other varieties—an appealing feature to the market gardener. It is a generous producer of even sized, finely colored fruit of remarkably firm flesh, which makes it a prime favorite with the shipper.

Another strong quality of **Germain's Winter Queen** is its hardiness, as it has been known to come through a frosty period in full vigor, where other varieties were entirely killed.

Prices: Packet, **10c**; ounce, **50c**; ¼-lb., **$1.65**; pound, **$5.00**.

Dixon, Ill.

I think the Winter Queen Tomato is one of the best on the market. I have tried seven or eight different kinds. In one way I like the Winter Queen the best; I have always had good success with it. I will have it as long as you will let me. It has proved to be everything you have said about it. I am sorry I have not time to tell you how it yields for me. I have the reputation of being a fine gardener especially tomatoes, and I buy the best seed I can find. I think you have one of the best. Excuse me for not saying more about this fine tomato. I am very busy selling them. All the seeds you have sent me have been very good. R. E. BURKS.

Germain's
Premium New Stone Tomato

See Photograph to the Left

Germain's New Stone Tomato is a beautiful bright red, of large uniform size and with very few seeds. All farmers demand it because of its extremely firm meat and because of its assured tonnage. It is a thoroughly dependable, proven tomato, as it may be planted from the earliest spring month when danger of frost is passed, and will bear right up to the first frost in the Fall.

The desirability of this tomato is greatly enhanced by its extreme smoothness and its hardiness. The one great requisite in a vegetable for private use is quality—first and always. The prime essentials are good flavor, the minimum of acidity, a tender skin, solid meat and flesh, few seeds and very little juicy pulp. Germain's New Stone Tomato meets all these requirements. It ripens evenly and in point of cost and labor in harvesting the chances of loss are minimized. Prices: Packet, **10c**; ounce, **60c**; ¼-lb., **$2.00**; pound, **$6.00**.

I had good success with the New Stone Tomato Seed, and have raised quantities of fine tomatoes even during the extreme warm weather. I am still getting fine tomatoes. We were bothered considerably with blight, but of course that has nothing to do with the seed. C. A. SCOTT, Delano, Calif.

PALMETTO ASPARAGUS

VEGETABLE SEEDS

ALL PRICES ON THIS PAGE ARE POSTPAID

ARTICHOKE

Alcachofa **Artischoke** **Artichaut**

CULTURE—Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offsets from best plants for new supply, as artichokes never come true from seed, some will prove inferior. When planting seedlings, reject those with spiniest leaves

	Pkt	Oz.	¼lb	1 lb.
Germain **LARGE GREEN GLOBE.** The favorite garden variety	10	1 20	4 00	12 00

Plants of large Green Globe Artichoke, see page 20.

ASPARAGUS

Esparrago **Spargel** **Asperge**

CULTURE—Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

NOTE: By planting two year old roots, much time and labor will be saved. See prices of roots, page 20.

	Pkt	Oz.	¼lb	1 lb.
ARGENTEUIL. The favorite in the Paris markets, and exceedingly popular wherever grown in the United States. The stalks grow to an enormous size, cook tender, of delicious flavor	$ 10	$ 20	$ 50	$1 50
Germain **PALMETTO.** Standard among the asparagus shippers of California is the Palmetto, and Germain's have gone to a really unwarranted expense to get seed from the most perfect first growth stock. This strain grows to mammoth proportions, and very even in size, which makes it especially popular with shippers. The shoots are a light green, slightly tinted with pink, and are tender to an unusual length. No one will be disappointed with the productiveness and fine edible qualities of the Palmetto Asparagus	10	20	45	1 25
WASHINGTON—A new rust resistant variety	10	40	1 35	4 00
MARY WASHINGTON—A distinct improvement in a rust resistant Asparagus	10	60	2 00	6 00

BEANS

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, write for special prices.

LIMA BEANS

Frijole **Bohne** **Haricot Nain**

CULTURE—Beans for the home garden should be a continuous summer crop, and sowings may be made from the middle of March to September. Plant two inches deep and two feet apart. Have drills one and one-half to two and one-half feet apart, according to variety; directions will be found on individual packets for the respective sorts. The average amount needed to plant an acre is fifty pounds. One pound will sow one hundred feet of drill. They will thrive in any good soil.

BUSH VARIETIES

FORDHOOK BUSH LIMA BEANS

The old fashioned name of "butter bean" given to lima beans can best be appreciated when eating this delicious variety fresh from your own garden. There are from three to five beans in each pod, which grows in clusters of from two to five on long spikes, making the picking easy where the beans are eaten green. The bush is a vigorous grower reaching the height of two feet, erect and strong. Germain's have long recognized the Fordhook as a splendid variety and this year succeeded in getting a stock of seed which must be placed among the specialties, insuring the buyer of getting absolutely the best. Price, packet 10 cents; ½ pound 20 one pound, 40 cents; ten pounds, $3.50. Write for prices on 100 lb. lots.

	Pkt	½lb	1 lb	10 lb
BURPEE'S BUSH LIMA. Splendid dwarf Lima; large and of excellent quality	10	20	35	$3 00
Germain **BURPEE'S IMPROVED BUSH LIMA.** The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans, which are unusually thick, of large size and excellent quality	10	20	35	3 00
FORDHOOK BUSH LIMA. See specialty above.				
HENDERSON'S BUSH LIMA. A dwarf variety of the Sieva or Southern Lima; produces enormous crops	10	20	35	3 00

POLE VARIETIES

GIANT PODDED POLE LIMA. The largest podded of all Pole Limas, the pods being gigantic in size measuring very often from seven to nine inches in length and from one and one-half to two inches in width. A vigorous grower and invariably of finest flavor	15	30	55	5 00
MONSTROUS LIMA. What its name implies. Extra large in size. It should be planted 6 feet by 6 feet in order to give it a chance to develop properly. Good for market or home garden.	15	35	60	5 50
Germain **KING OF THE GARDEN LIMA.** A vigorous grower, bearing profusely; large pods, five to eight inches. Beans large and of rich flavor	10	20	35	3 00

CATALOGUE PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

FORDHOOK BUSH LIMA BEAN

Read about "Hotcaps" [27] on page Forty-one

BEANS

BURPEE'S STRINGLESS GREEN POD

See Field Seed Section for other arieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

ALL PRICES ON THIS PAGE ARE POSTPAID

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside back-cover page.

CULTURE—Beans respond very readily to good soil and cultivation. A light rich, well-drained loam is the most desirable. The use of manure is advisable but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the young plants 3 to 6 inches apart in the row. If planted in hills, about 2 feet apart each way.

KEEP THEM COMING

For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field so poorly prepared as to need deep stirring after planting.

BROAD BEANS

	Pkt	1 lb	10 lb	100 lb
Germain **ENGLISH, OR BROAD WINDSOR.** The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled	10	$ 30	2 50	

INOCULATE THIS SEED WITH FARMOGERM

DWARF OR BUSH

GREEN POD

BURPEE'S STRINGLESS GREEN POD

Germain The Stringless Green Pod is recognized as being one of the best beans offered for market garden or general use. In point of earliness, it ranks among the first, and is excelled by none in bearing ability and in good quality. It is one of the greatest green pod beans to date. The pod is very brittle, long and round and is entirely without strings. It is about five inches in length, green in color, very tender, and of the highest and best flavor, remaining for a long time in edible condition, and bearing continuously for weeks.

Price, packet 10 cents, ½ lb. 20 cents, 1 lb. 40 cents, 10 lbs. $3.50.

	Pkt	½ lb	1 lb	10 lb
Germain **CANADIAN WONDER.** This is a strong growing bush variety, bearing large numbers of flat, handsome pods, long and very tender, and with excellent flavor. They are widely known as the best for winter use, and are valuable both to the market gardener and for the home garden	10	20	35	3 00
EXTRA EARLY REFUGEE. Very early, prolific; fine quality; a great favorite for canning	10	20	35	3 00
FRENCH MOHAWK. A favorite variety, productive. Fine flavor.	10	20	35	3 00
LONG YELLOW SIX WEEKS. A favorite variety; very quick growing, with green, flat pods, which are thick and meaty. The seed when fully ripe is yellow, hence the name. It is a well known market variety, tender and of good flavor; A good market variety, as it is a very heavy cropper	10	20	35	3 00

WAX OR YELLOW-PODDED

IMPROVED GOLDEN WAX

Germain This bean is a distinct improvement on the old Golden Wax. It is a stronger grower, more prolific and not subject to disease like the Golden Wax. The pods are flat and straight and are grown in great profusion, and we recommend it to the public as a superior bush wax bean—one of the most popular varieties for either market or general garden use.

Price, packet 10 cents, ½ lb. 20 cents, 1 lb. 40 cents. 10 lbs. $3 50

	Pkt	½ lb	1 lb	10 lb
Germain **VENTURA WONDER WAX.** This bean is of California origin, and a very valuable addition to the wax varieties. It is a stocky variety of bush, bearing large numbers of long flat, yellow podded beans, containing white seed, that have a fine flavor. Either used as a snapped bean or dried for winter use. We recommend this bean either for market or general gardening	10	20	40	3 50

BEANS

POLE, OR RUNNING BEANS

Frijole de Bejuco **Stangenbohne** **Haricot a Rames**

CULTURE—Sow in a rich soil, in well manured hills, three feet apart each way covering to a depth of two inches. In each hill set a pole eight or ten feet long, around which plant five or six beans, afterward thin out leaving four strong plants to each hill.

INOCULATE THIS SEED WITH FARMOGERM

GERMAIN'S IMPROVED

WHITE KENTUCKY WONDER

A very popular and satisfactory type of the Kentucky Wonder Beans. It was introduced a few years ago and since then it has been growing in popularity by leaps and bounds until now it is a most desired variety.

Germain's Improved White Kentucky Wonder Bean is a pole bean of a tenderness that places it in the front rank of the bean family. Its productiveness is so exceptional that any one planting a bean garden should not be without it, and as for the market gardener, it will be impossible for him to find a bean that will yield greater returns per acre. It is earlier by two weeks than the other types of Kentucky Wonders and the Market Gardener, who is wide awake, realizes that the big returns are made by harvesting a heavy crop early.

Its tenderness, crispness and color make it very desirable. The pods average from eight to ten inches in length and are of a deep greenshade. The seeds when dry are of a snowy whiteness.

Prices: 10c per pkt., ½ lb. 20c, 1 lb. 40c, 10 lbs. $3.50.

	Pkt	½lb	1 lb.	10lb
ASPARAGUS, OR YARD LONG. Interesting and popular among those who raise it, this bean is still a novelty to many gardeners. No more tender or finer flavored bean ever went into the pot. Every housewife will appreciate the entire absence of strings in the Asparagus Bean, and it should be grown in every home garden	10	75	1 50	
Germain **KENTUCKY WONDER BROWN SEEDED.** This bean is very early and enormously productive, the long green pods hanging in clusters on the poles. They are entirely stringless and very tender. It has long been known as a favorite, as it meets with a ready sale on the early market and is considered a delicacy in the home garden	10	20	35	3 00
KENTUCKY WONDER WAX. A yellow podded Kentucky Wonder of very vigorous growth and bearing a heavy crop of large, palatable creamy yellow pods of finest quality. The finest wax podded pole beans	10	20	35	3 00
SCARLET RUNNER. Ornamental and useful. The vine is graceful; flowers of a brilliant scarlet, and the beans are of excellent quality, shelled or in a dry state	1 0	20	35	3 00

CONTROLLING BEAN PESTS

Beans in California are troubled at various times with insect pests like Aphis, Red Spider, Weevil, and Fungous troubles such as mildew and rust.

Aphis can be controlled by a nicotine spray or with tobacco dust; Red Spider and Mildew by dusting with sulphur, and Rust by spraying or dusting with Bordeaux Mixture. See page 86

The most serious pest is the Bean Weevil, which only becomes apparent after harvesting. The only remedy is to fumigate the beans with Carbon Bisulphide at the rate of two ounces to 100 pounds. A simple method is to put the seed in a tightly closed room or in a small container and place the Carbon Bisulphide in saucers at the top, allowing it to evaporate. Be sure room or container is closed tightly.

CROSBY'S EGYPTIAN BEET

BEETS

Note.—Prices listed are postpaid.

TABLE BEETS

Remolacha **Rothe Ruebe** **Betterave**

CULTURE—This is one of few vegetables that can be grown the year round. A beet patch completes the garden. Seed planted at intervals of three weeks will keep beets coming in rotation. The seed should be sown in drills 15 inches apart and 1½ inches deep, and covered by hand unless following field culture. (The use of a rake for this purpose disturbs the seed and often draws the seed out of the ground. The result will be an irregular row.) Thin out then to 9 inches apart in the row. These young beets are excellent used as spinach. Frequent cultivation is essential to produce a successful crop.

CROSBY'S EGYPTIAN BEET

Among all the table beets there is probably no other which has been so often featured by seed houses, where a first class stock of seeds can be obtained. A good purchase by one of our buyers causes us to put the Germain mark of approval on this variety this year by placing it among our specialties. Many experienced growers say "Crosby's Egyptian is the only beet worth planting," and while this may be somewhat of an exaggerated opinion, we will unhesitatingly recommend this lot of seed as being the best that money can buy. Crosby's Egyptian is a medium sized beet, very early and of small top. It grows smooth and the deep crimson flesh is sweet and tender. Price, Pkt. 10 cents; ounce 15 cents; ¼ pound 40 cents; pound $1.25.

	Pkt	Oz.	¼ lb	1 lb
BLOOD TURNIP. One of the best of the early table beets. Deep rich color and splendid quality	10	15	35	1 00
CROSBY'S EGYPTIAN. See specialty above.				
DETROIT DARK RED. One of the best beets for either market or home garden. Very rich in color, being a dark red. We recommend this as specially desirable to plant for market gardeners on account of its attractive appearance. The root is medium sized, globular or nearly round, very smooth and of dark red color	10	15	40	1 25
Germain **EXTRA EARLY ECLIPSE.** Eclipse is a well known variety of table beets. Nearly as early as the Egyptian. It is nearly round in shape and has a small top, while the flesh is fine grained and tender with bright red color	10	15	35	1 00
EXTRA EARLY EGYPTIAN. Very early, of dark blood color, rather flat shape	10	15	35	1 00
Germain **LONG BLOOD.** A splendid variety of fine flavor and of long, symmetrical shape	10	15	35	1 00
SWISS CHARD, OR SILVER. Cultivated for its leafstalks, which are served like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced	10	15	35	1 00
LUCULLUS SWISS CHARD. A new variety. Leaves very crinkled of an attractive light green color and very thick and fleshy. Easily grown and furnishes a supply of good greens for a ong period	10	15	35	1 00

STOCK AND SUGAR BEETS

See Field Seed Section.

BROCCOLI

Note—Prices listed are postpaid.

Broculi **Spargelkohl** **Brocoli**

CULTURE—Broccoli like the cauliflower is a cultivated variety of the wild cabbage which is grown for the sake of the head, which is similar to cauliflower. Heads are smaller than cauliflower. To secure broccoli at its best we advise growing your own and picking one hour before cooking. Culture the same as cauliflower.

	Pkt	Oz.	¼ lb	1 lb
Germain **WHITE CAPE.** Heads of medium size, compact, of creamy-white color	10	90	3 00	$9 00
ST. VALENTINE. A variety grown commonly in Oregon and Washington for the Eastern market	15	2 00	6 50	20 00

BRUSSELS SPROUTS

Note—Prices listed are postpaid.

Berza de Bruselas **Rosenkohl** **Chou de Bruxelles**

CULTURE—Sow in September and October and treat same as Cabbage.

	Pkt	Oz.	¼ lb	1 lb
Germain **HALF DWARF PARIS MARKET.** A half-dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality	10	40	1 35	4 00

CATALOGUE PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Due to the scarcity of all seeds caused by newly created demands elsewhere, we sell out of many varieties and it is necessary to buy on open market at greatly increased prices, so we find it necessary to quote prices in this catalogue subject to change without notice.

CABBAGE

☛ **Note**—Prices listed are postpaid. Cabbage Plants are listed on page twenty.

Col Repollo **Kopfkohl** **Chou Pomme**

CULTURE—Knowing the first essential of successful cabbage growing to be good seed, we have always obtained our seed from expert seed growers, and therefore we enjoy an enormous volume of business on this variety of vegetable.

To raise cabbage successfully is not difficult, as it is comparatively easily grown. We advise the planting of seed in beds or land of light, rich texture at a depth not to exceed ½-inch; and the soil should be pressed firmly over the seed. The plants should not be allowed to crowd one another before they are transplanted, but as soon as large enough to be handled should be lifted out to their permanent place.

For early varieties, such as Winnigstadt, plant in rows 3 feet apart, plants 1 foot apart in the row. The larger headed varieties, 1½ feet apart in the row.

For the permanent field, soil of a firm, stiff, rich nature is preferred.

Immediately after transplanting, the plants should be watered' and constant, deep cultivation is very essential. A cool, moist climate seems to be the most suitable of all for the culture of cabbage which generally grows to greater perfection in the coast region, as heat and drought are injurious to them.

Sudden changes of temperature have a tendency to make cabbage go to seed and growers should watch them carefully to see that their field is moist but properly drained. Sudden check in growth is prevented by this care.

It is only logical that a climate that is good for man would be good for insects also. California has a greater variety of insects which live longer and reproduce more generally than any other State in the Union.

On that account we have found it advisable to maintain an insecticide department which devotes itself to garden troubles of all kinds. Write to this department at any time and tell us your troubles. Our experts will gladly advise you to the best of their ability.

The cabbage, for instance, is a vegetable that while not bothered with a great number of insects, nevertheless has two enemies which do considerable damage if not routed.

These are the cabbage worm and the cabbage aphis. The former is velvety green in color and when full grown is about an inch and a quarter in length. They are easy to detect and the parent of this worm is present from morning to night in the shape of the common white butterfly, which seems so harmless when flying around in the garden. The best remedy is dusting or spraying with Corona Dry.

The cabbage aphis, or as otherwise known the "cabbage louse," is a small insect of a greenish black color and similar in appearance to the green aphis found on rose bushes. Nicotine sprays such as Black Leaf 40, or Tobacco Dust, applied thoroughly, will effectively combat the ravages of this pest.

COPENHAGEN MARKET CABBAGE

POINTED, OR OBLONG VARIETIES

	Pkt	Oz.	¼lb	1 lb
EARLY WINNIGSTADT. See specialty on page twenty	10	35	1 20	3 50
EARLY YORK. An old favorite, with solid, pointed heads. Standard English sort	10	35	1 20	3 50
SELECTED EARLY JERSEY WAKEFIELD. A favorite sort. eads very compact, solid and conical shape, few waste leaves	10	35	1 20	3 50

FLAT, OR ROUND HEAD VARIETIES

	Pkt	Oz.	¼lb	1 lb
ALLHEAD EARLY. Very early cabbage of the large early sort, and cannot be recommended too highly; remarkably uniform.	10	35	1 20	3 50
BABY HEAD. A distinctly new type growing a round solid head of splendid quality, just big enough for an average family	10	80	2 65	8 00
CANNON BALL. See page twenty	10	40	1 35	4 00
COPENHAGEN MARKET CABBAGE. One of the most popular round-headed cabbages with the market gardeners. It is one of the earliest of its kind ever introduced. Leaves medium light green, nearly round, thick and smooth. The heads are round extremely solid and of exceptionally good quality.	10	40	1 35	4 00
DANISH BALLHEAD OR HOLLAND. The hardiest round-headed variety in cultivation. The best for winter keeping	10	40	1 35	4 00
DRUMHEAD SAVOY. Fine quality	10	40	1 35	4 00
EARLY SUMMER. An early maturing cabbage, with large, solid heads somewhat flat, short outer leaves allowing for close planting. A good keeper	10	40	1 35	4 00
HENDERSON'S SUCCESSION. An excellent second-early variety coming in immediately after the first early sorts; free from coarse veining; enormous heads, exceedingly tender	10	40	1 35	4 00
LARGE LATE DRUMHEAD. Solid head and few loose leaves. Can be planted closely in the field	10	35	1 20	3 50
SELECTED EARLY FLAT DUTCH. Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather	10	35	1 20	3 50
Germain **SELECTED LATE FLAT DUTCH.** A low-growing variety; heads large, bluish green, round, sound, broad and flat on top; an excellent fall and winter variety; good keeper	10	35	1 20	3 50
SUREHEAD. One of the best main crop cabbages	10	35	1 20	3 50

CHINESE CABBAGE

CHINESE CABBAGE (Follow Cultural Directions on Lettuce.)

Occidental races have always been slow to absorb anything from the Chinese, but it is surprising that so few people have learned to appreciate the value of the Chinese Cabbage, a type that has been maintained for hundreds of years by that race. It is largely grown for Chinese consumption, and it only remains for Americans to find out its merits to make it popular. It is tender, crisp, blanches itself perfectly, and is equally good raw or cooked.

	Pkt.	Oz.	¼lb	1 lb
CHINESE WHITE	10	50	1 65	5 00

RED CABBAGE

	Pkt	Oz.	¼lb	1 lb
RED DUTCH OR PICKLING. Fine, solid, dark red heads	10	35	1 20	3 50

See Page Twenty-one For [31] Winnigstadt Cabbage

CARROTS

Note—Prices listed are postpaid.

Zanahoria Moehre Carrotte

CULTURE—Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots, deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed, and it should be more largely grown by farmers for this purpose. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

DANVERS HALF LONG CARROT

CHANTENAY CARROT

OXHEART, OR GUERANDE, CARROTS

The common tendency of carrots to grow woody or pithy is least noticeable in this improved and popular strain. This variety may be left in the ground longer than any other without developing these depreciating qualities. The Oxheart is a short carrot growing about 4½ inches long and about 3½ inches thick at the shoulder, with a slight taper to the stump rooted bottom. For this reason it is especially desirable for heavy soils, which also grow the best carrots. The flesh is a bright orange, smooth grained and sweet, and it is equally fine for table use or stock feeding. We are pleased to include this variety in our specialties this year, and our selection of this season puts it among the stocks which we can guarantee. Price, packet 10 cents; ounce 20 cents; ¼ pound 45 cents; pound $1.25.

	Pkt	Oz.	¼lb	1 lb
EARLY CHANTENAY. This is the best early carrot grown for market gardeners. Six inches long, stump rooted, smooth, deep red, fine grained and sugary, not apt to crack	10	$ 20	$ 45	$1 25
EARLY FRENCH FORCING. The earliest variety, largely grown for forcing; globular-shaped root of orange-red color.	10	20	50	1 50
EARLY SCARLET, OR SHORT HORN. One of the most popular varieties for table use; color deep orange	10	20	50	1 50
IMPROVED DANVERS HALF LONG. A first-class carrot for all soils; in form midway between Long Orange and Short Horn. Of a rich, dark orange color, very smooth and handsome; 20 to 30 tons per acre is not an unusual crop. See page thirteen	10	20	45	1 25
IMPROVED LARGE WHITE BELGIAN. Very productive; for stock-feeding exclusively; grows one-third out of ground. Roots white; green above ground	10	20	40	1 10
IMPROVED YELLOW BELGIAN. Same as White Belgian, excepting in color	10	20	40	1 10
IMPROVED LONG ORANGE. A well-known standard sort; roots long, thickest near the crown, tapering regularly to a point; color deep orange. Suitable for the table and main field crop	10	20	45	1 25

CAULIFLOWER

Note—Prices listed are postpaid.

Coliflor Blumenkohl Chou-fleur

CULTURE: Prepare the seed-bed carefully, using only rich and thoroughly pulverized soil. Good results are obtained by keeping the plant in a healthy and rapidly growing condition. Broadcast the seed in the seed-bed prepared, sowing the early varieties from May 15th to July 1st; medium early varieties May 20th to July 5th; and late varieties any time from June 25th to Aug. 25th inclusive. When the plants are 40 days old, they are ready for the field. Transplant to 15 inches apart in rows 30 to 36 inches apart. Do not leave plants in the hot-bed over 45 days as the stems become hard and poor results follow. Keep the plants vigorous and growing.

Due to different localities requiring a different time of planting of Cauliflower, we advise your writing us for specific planting information, which we will be glad to give. Two or three week's difference in planting means success or failure.

CAULIFLOWER PLANTS See page twenty.

OXHEART CARROT

GERMAIN'S SNOWFLAKE CAULIFLOWER

Out of the many varieties of cauliflowers introduced and exhibited, we claim that Germain's Snowflake Cauliflower stands out supreme. It has the best appearance, best keeping qualities, it withstands the sudden climatic changes better than any other type and with its perfect leaf protection over the head, is a thoroughly bleached product of pure white, from whence it derives its name "Snowflake."

GERMAIN'S EARLY SNOWFLAKE

This type should be planted from June fifteenth to the first of July. We, however, do not recommend the planting of cauliflower too early because of the possibility of its heading prematurely, and climatic conditions also have considerable to do with the success of the grower. Price: Packet 20c; ¼ oz. 65c; 1 oz. $2.00; ¼ lb. $6.65; 1 lb. $20.00.

GERMAIN'S MEDIUM SNOWFLAKE

Plant from May twentieth to July fifth. This is the money-maker for the market grower as it becomes ready for the market at the time when prices are best. Price: Packet 20c; ¼ oz. 65c; 1 oz. $2.00; ¼ lb. $6.65; 1 lb. $20.00.

GERMAIN'S LATE SNOWFLAKE

Here we have a distinctive type which should be planted June 25th to August 25th. This is a taller plant than the other type as it grows to a height of three feet or more. It should be planted two feet apart in rows three feet apart. Price: Packet 20c; ¼ oz. 65c; 1 oz. $2.00; ¼ lb. $6.65; 1 lb. $20.00.

	Pk	¼oz	1 Oz	¼lb	1 lb
EARLY SNOWBALL. It is a snow-white Cauliflower and its leaves have a tendency to over-lap at the top of the flowers. In this way, it protects from injury, exposure to frost, rain or heat. It is very essential that good Cauliflower be so protected on account of shipping, and in this, our strain is perfect. Our market garden trade is immensly pleased with this strain and our business on it has grown to very large proportions.	25	1 00	50	10 00	35 00
EXTRA EARLY ERFURT. Remarkably sure heading, early variety, dwarf habit; similar, not as early as Snowball,	25	1 00	50	10 00	35 00
GERMAIN'S DRY WEATHER. Produces large, solid and pure white heads. It is especially adapted for growing in dry locations where most varieties fail to produce good heads	25	1 00	50	10 00	35 00
VEITCH'S AUTUMN GIANT. A large, late sort of robust habit; heads compact, large outer leaves. Succeeds well in southern latitudes	20	50	1 50	4 00	12 00

CELERY

Note—Prices listed are postpaid. Celery plants are listed on page eight.

Apio Sellerie Celeri

CULTURE—Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows four feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants.

	Pk	Oz.	¼lb	1 lb
CHINESE GREEN TOP. The best "Green Top" variety grown; largely grown by Chinese gardeners	10	35	1 20	3 50
EASY BLANCHING. A new variety that is meeting with great favor. The plant grows rather dwarf and compact with foliage light green tinged with yellow. It blanches more easily than any other variety and for that reason can be grown by the amateur gardener with complete assurance that it will equal in quality and appearance the best types found on the market	10	40	1 35	4 00
GIANT PASCAL. Stalks very large, thick, solid, crisp and of a rich, nutty flavor; blanches easily and quickly	10	35	1 20	3 50
GOLDEN SELF-BLANCHING, CALIFORNIA STOCK. Similar to French Stock; seed raised in California from selected plants	10	80	2 65	00
GOLDEN SELF-BLANCHING, FRENCH STOCK. See specialty opposite.				
Germain **WHITE PLUME.** We offer a choice strain of this valuable and popular variety. Unsurpassed for fall and early winter use, requiring very little earthing up to blanch	10	35	1 20	3 50

GOLDEN SELF-BLANCHING CELERY SEED (French Stock)

The trial ground test in comparison with samples of seed from thirty growers should prove the selected lot to be as fine seed as can be produced. This is exactly the test we applied to this year's stock of this variety, and even at the present high price of celery seed we are satisfied we are offering the greatest value for the money in this tried and true sort. Celery seed has for many years been a strong item with Germain's for purity and high quality, but with the establishment of our testing grounds we are in a better position than ever to praise this item. It is a thrifty variety, growing 18 to 22 inches in height, very stocky, heavy, perfectly solid and a splendid shipper. It is mild but characteristically flavored, and from every point of analysis is entitled to the mark of approval of this house. Packet 15 cents; ounce $2.00; ¼ pound $6.00; pound $20.00; See page twenty-two.

CELERIAC

Note—Prices listed are postpaid.

CULTURE—It is grown in nearly the same way as common celery and like this vegetable, requires good rich, moist, mellow, and well-manured soil. It is generally sown in seed beds in February and can be planted until May. When about 4 to 6 inches high the plants should be removed from seed bed and planted 12 inches in the rows and the rows should be about 18 inches apart. Plants require no further attention than frequent watering and is necessary to have the ground well cultivated and free from weeds. See cut below.

	Pkt	Oz.	¼lb	1 lb
CELERIAC, LARGE, SMOOTH PRAGUE. It is a turnip-rooted celery of a distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold	10	$ 35	1 20	$3 50

CHERVIL

Note—Prices listed are postpaid.

Perifollo Kerbel Cerfeuil

CULTURE—The seed may be sown throughout the entire year in open ground where the crop is to be grown, but in very hot weather it is better to sow in a shady position with a northern exposure. The leaves can be cut in from 6 weeks to two months from date of sowing.

The leaves are aromatic and they are used for seasoning and in salads. This vegetable is used a great deal by the English. For further culture same as parsley.

	Pkt	Oz.	¼lb	1 lb
CURLED. Is a vigorous grower, handsome and ornamental. It has a pleasing flavor and is highly recommended for garnishing, also for flavoring soups. See cut below	10	35	1 20	3 50

CHICORY

Note—Prices listed are postpaid.

Achicoria Cichorie Chicoree

CULTURE—Sow any time except hottest weather, though early spring is preferable, in rows eighteen inches apart and three or four inches apart in row. A deep-rooting plant requiring little care if soil is moist.

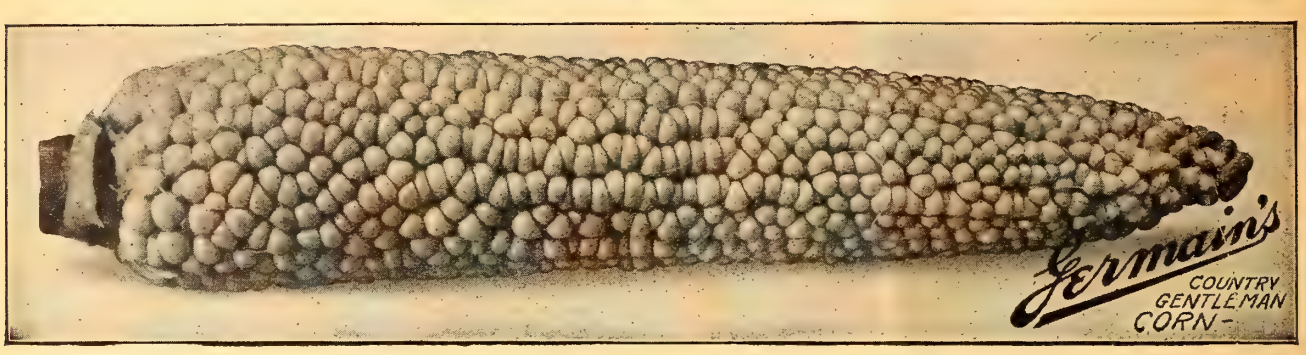
	Pkt	Oz.	¼lb	1 lb
LARGE ROOTED MAGDEBURG. This variety is grown for its roots, which are dried or roasted and ground as a substitute or adulterant for coffee. The leaves can also be used but should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches apart and the seed sown ½-inch deep, using 1 oz. to every 100 feet of row. See cut below	10	40	1 35	4 00
WITLOOF OR FRENCH ENDIVE. Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills 12 to 18 inches apart and the seedlings should be thinned out to stand not closer than 3 inches. In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing. The roots should be planted upright about 1½ to 2 inches apart in a trench 16 to 18 inches deep. This brings the neck of the root within 9 inches of the level of the surface of the trench, which should be filled with light soil. It requires about one month to force the root. The heads are then cut off with a small portion of the neck of the root attached. We recommend this vegetable to those who enjoy a salad of exceptional flavor. It can be easily grown if these directions are carefully followed. See cut below	10	40	1 35	00

LARGE SMOOTH PRAGUE CELERIAC

CURLED CHERVIL

MAGDEBURG CHICORY

WITLOOF CHICORY



CORN

SWEET OR SUGAR

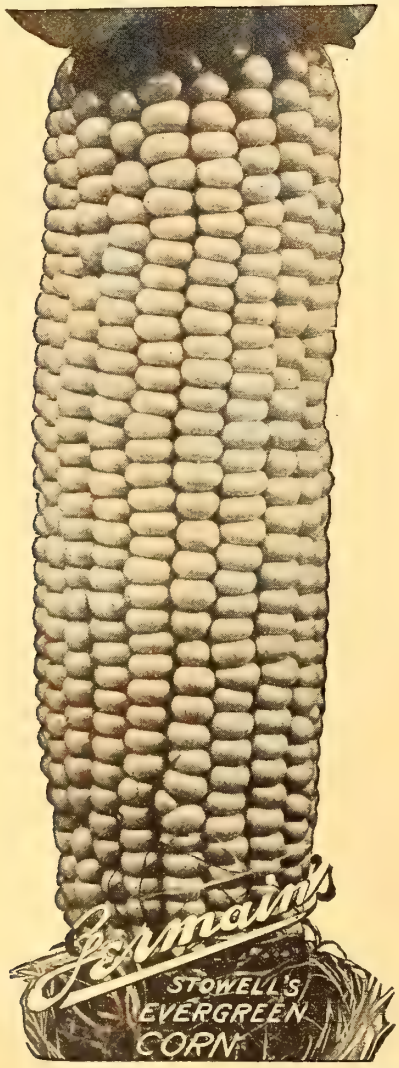
ALL PRICES ON THIS PAGE ARE POSTPAID

Maiz **Mais** **Mais**

CULTURE—Sweet corn should not be planted until in the spring when all danger of frost is past. The soil preferred is one rich and moist. Corn is not a lazy man's crop, as continual cultivation is necessary.

Plant in hills 18 inches apart with rows 3 feet apart. Three or four seeds may be planted in each hill but not more than two allowed to stand. As "suckers" or excess shoots appear they should be removed as they take strength from the mother plant. Whenever soil presents an appearance of drying, irrigate. To prevent the Corn Ear Worm we recommend Corona Dry.

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside front cover. If quantities are desired, do not fail to write for special prices.



	Pkt	½lb	1 lb	10 lb
ADAMS EXTRA-EARLY. One of the earliest varieties; small cob and quite dwarf in growth	10	20	$ 35	$3 00
BLACK MEXICAN. The sweetest, richest and tenderest of all sweet corn. Turns black only when too old for table use	10	20	35	3 00
Germain **COUNTRY GENTLEMAN.** The best for private use. Small white cob densely covered with splendid white grains of delicious flavor. Ears average eight to nine inches. Stalks six feet high, three or four ears to each	10	20	35	3 00
EARLY MINNESOTA SWEET. One of the earliest, with ears of suitable size for market purposes	10	20	35	3 00
GOLDEN BANTAM. A very sweet and most delicious corn. See page twenty-three	10	20	35	3 00
LARGE LATE ADAMS. An ideal variety for August and September planting for late crop. A rapid grower	10	20	35	3 00
MEXICAN JUNE. A field corn used for roasting ears, etc.				
OREGON EVERGREEN. See page twenty-three	10	20	35	3 00
Germain **STOWELL'S EVERGREEN.** The standard sort for main crops everywhere. Ears large, deep-grained, exceptionally tender and sugary; remains tender and eatable longer than any other variety. A general favorite with canners and market gardeners for late use	10	20	35	3 00

CORN—POP

CULTURE. Requires same care and culture as a sweet corn.

QUEEN'S GOLDEN. A large-eared and handsome yellow popcorn; grains are large, pop perfectly white and are exceedinfily tender. About six feet high, and yield three or four ears to the stalk; 1 pound 30 cents, 10 pounds $2.50.

WHITE RICE. A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter; one pound 30 cents, 10 pounds $2.50.

Catalogue price subject to change without notice.

CORN—FIELD

SEE FIELD SEED SECTION

CORN SALAD

Canonigos **Feldsalat** **Mache**

CULTURE—This should be planted in early spring or late summer. It is a hardy plant having no enemies and only requires 60 to 65 days to mature; it however, will not succeed in hot weather but must have cool growing weather. One ounce of seed will sow a row 30 feet long. The small leaves are served like lettuce or for garnishing dishes in the same manner as parsley or cress.

	Pkt	oz	¼lb	1lb
Germain **Fetticus, or Lamb's Lettuce**	10	30	1 00	3 00

CHIVES

Cebelleto **Schnittlauch** **Ciboulette**

CULTURE—The same methods of growing are used as for green onions. However, when the plant is about 2 inches high it should be transplanted to 3 inches apart in rows which are 12 inches apart. Chives are grown for the young leaves which are produced freely from early in the spring throughout the summer. It is a perennial of continuous growth and as the leaves are cut away, new growth comes on. The flavor is mild, resembling that of an onion and is used in soups and various other dishes if onion flavor is desired. For plants see page twenty. Per packet 15 cents, oz. $2.50.

CUCUMBERS

Note—Prices listed are postpaid.

Pepino Gurke Concombre

CULTURE—Cucumbers should not be planted until all danger of frost is over and the ground is warm, because like all vine crops the seed is liable to rot unless proper conditions prevail.

Cucumbers should be grown in every garden, for slicing for the table and small fruits for pickling. In most sections two plantings can be made. First, as early as the weather permits, second, the latter part of July or first of August.

The early planting will produce cucumbers for table use and the late planting will give the best supply of young fruits for pickling purposes.

Sow 6 to 10 seed in hills 4 to 6 feet apart. After all danger of pests are removed and you are sure of your plants, thin, leaving the three strongest. Cucumbers enjoy a light, sandy, rich soil. They should be planted one inch deep. One ounce will plant 50 hills; 2 pounds, one acre.

DAVIS PERFECT CUCUMBER. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of ten to twelve inches. They hold color till nearly ripe, when they turn white without a yellow streak on them. Quality fine, as seed are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine and outyields all others. Price, pkt. 10 cents; ounce 25 cents; ¼ pound 85 cents; pound $2.50.

	Pkt	Oz.	¼ lb	1 lb
BOSTON PICKLING, OR GREEN PROLIFIC. One of the best pickling varieties; also excellent for slicing	10	25	65	2 00
CHICAGO PICKLING. A medium sized variety, tapering at both ends with large and prominent spines. Deep green. Fine for pickling	10	20	65	2 00
EARLY GREEN CLUSTER. Vine hardy and vigorous. Early, and quite productive. Used extensively for pickling and slicing	10	20	65	2 00
EARLY WHITE SPINE. One of the best for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor	10	20	65	2 00
LEMON. Gets its name from its shape. Very early and exceedingly popular in the Los Angeles market	10	30	1 00	3 00
JAPANESE CLIMBING. While all cucumbers are running vines this variety is much more so. It also quickly climbs on poles or trellises. It is entirely distinct. Quality is splendid. Well adapted for pickling as well as for slicing for salads	10	25	85	2 50
Germain **KLONDIKE.** A splendid variety of the White Spine family; very early	10	25	85	2 50
LONG GREEN. Long and crisp; well-known and popular, for general use, a vigorous and prolific producer	10	25	85	2 50
WEST INDIA GHERKIN. Oval-shaped; prickly; for pickling only	10	30	1 00	3 00

DAVIS PERFECT CUCUMBER

ENGLISH FORCING, OR FRAME VARIETIES

Superior in every way to the American varieties. Single specimens average twenty-four inches in length. Fruit is crisp and tender, with very few seeds.

	Pkt	Oz.	¼ lb	1 lb
Germain **IMPROVED TELEGRAPH.** Unquestionably one of the best winter cucumbers; the best for forcing	25			

COLLARDS

Note—Prices listed are postpaid.

CULTURE—A plant similar to cabbage. It does not, however, produce a head, the central leaves often forming a loose rosette.

They are tender and are used as a pot herb like kale. They are also desirable as greens for poultry or rabbits. The same culture is applied as to cabbage, except spacing; plant 3 feet apart in rows 3 feet apart when in field.

	Pkt	Oz.	¼ lb	1 lb
TRUE GEORGIA. A strong growing variety with light green leaves	$ 10	$ 20	$ 65	$2 00

CRESS, OR PEPPER GRASS

Note—Prices listed are postpaid.

Mastuerzo, Berro Kresse Cresson

CULTURE—There are many kinds of cress, all characterized by a more or less pungent taste. They are used in salads and for garnishing dishes.

Water cress is grown in almost any ditch, shallow stream, or moist earth and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.

Pepper grass or cress should be sown thickly in drills every few days if a succession is wanted. One ounce will sow 200 feet of row.

	Pkt	Oz.	¼ lb	1 lb
FINE CURLED (PEPPER GRASS). Grown very quickly from seeds sown thinly in drills. Leaves are finely curled and very ornamental but as the plant runs quickly to seed, frequent plantings should be made. The flavor resembles that of mustard	$ 10	$ 20	$ 50	$1 50
WATER CRESS. A heavy foliaged plant, adapted to water culture. It has a slightly pungent taste	10	60	2 00	6 00

NEW YORK IMPROVED

DANDELION

☛ **Note**—Prices listed are postpaid.

Amargon **Kuhblume** **Pissenlit**

CULTURE—It is used for greens and is much prized by epicures. Sow seed in the spring in rows 1 foot apart and thin plants to stand 1 ft. apart in the row. Sandy loam soil is best suited.

	Pkt	Oz.
IMPROVED. An early, large, broad-leaved variety	10	$1 50

EGG PLANT

☛ **Note**—Prices listed are postpaid. For plants see page twenty

Aubergine **Berengena** **Eierpflanze**

CULTURE—The plants should be started under glass if wanted early. If later results are desired, seed should be planted in cold frames or in boxes where special care can be given.

Egg plant seed is very delicate and will not grow unless special care is given it. It is easily affected by cold weather. Seed should be barely covered and particular attention should be given to have well-pulverized soil of rich composition. Moisture is an important factor and care should be taken to have the soil in beds or boxes moist, as any check to growth is exceedingly difficult to overcome and invites failure.

Plants should not be set out permanently until all danger of frost is over, using plants 6 to 8 inches tall of vigorous growth for setting in the field.

Space plants 3 feet apart ach way and cultivate thoroughly throughout the season.

	Pkt	Oz.	¼ lb	1 lb
NEW YORK IMPROVED. Non of this delicious vegetable has ever been brought to such a state of perfection as GERMAIN'S Strain of New York. An early variety, large, oval-shaped and the deep purple kind that tastes surprisingly like oysters when fried. It has an indescribably delicate and alluring flavor when stewed. This variety is a great producer, 50 to 60 pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness...	10	75	2 50	7 50
BLACK BEAUTY.—This is a fine, extra early variety, which has proven very satisfactory	10	75	2 50	7 50

ENDIVE

Escarola o Endivia **Endivie** **Chicoree**

CULTURE—The same as for lettuce.

This plant is highly esteemed by the French people and is their popular salad plant. Those Americans who have used it are unanimous in their praise. There is not sufficient of it planted.

To produce it properly it should be blanched and this can be easily accomplished by drawing the leaves together ina head and tying them together in a head a month before using for the table. One ounce of seed to 100 feet of row.

	Pkt	Oz.	¼ lb	1 lb
BROAD-LEAVED BATAVIAN. Leaves are broad, thick, green and more or less twisted with white midribs. It forms large hearts which when blanched, makes one of the best winter salads	10	$ 25	$ 85	$2 50
GREEN CURLED. Used very much in salads. Finds a ready market. Hardy, vigorous grower, with deep green leaves, midribs usually tinged with rose	10	25	85	2 50

GREEN CURLED ENDIVE

HERBS IN COOKING

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars, no order for garden seeds should fail to include them.

LONDON FLAG LEEK

THOUSAND HEADED KALE

GARLIC

Ajo **Knoblauch** **Ail**

CULTURE—Garlic is a perennial plant with a bulbous root and belongs to the onion family. It has flat leaves and the bulb is composed of several parts or bulbels similar to those of a multiplier onion set. Garlic has a strong, penetrating odor and flavor and is highly esteemed for flavoring soups, stews, etc. We cannot offer seeds but can supply the bulbs or sets.

Prepare the ground as for onions, separate the sets and plant them in drills eight inches apart and four to six inches apart in the drill, covering two inches deep. Cultivate like onion sets. When the leaves turn yellow, pull bulbs and dry in the shade.

GARLIC SETS. Per pound 40 cents postpaid. Write for price when quantities are wanted.

Note—Prices listed are postpaid.

HERBS

POT, SWEET AND MEDICINAL

10 cents per packet.

A well assorted selection of the various kinds of herbs should have a place in every garden. Their value in seasoning and flavoring is well known and appreciated. Care should be taken to harvest on a dry day just before they fully blossom.

ANGELICA GARDEN (Archangelica officinalis).
ANISE (Pimpinella anisum).
BALM (Melissa officinalis).
BASIL SWEET (Ocymun basilicum).
BORAGE (Borage officinalis).
CARAWAY (Carum carui).
CATNIP (Nepeta Cataria).
CORIANDER (Coriandrum sativum).
CUMIN (Cuminum cyminum).
DILL (Anethum graveolens).
FENNEL, SWEET (Foeniculum vulgare).
HOREHOUND (Marrubium vulgare).
HYSSOP (Hyssopus officinalis).
LAVENDER (Lavendula vera).
MARJORAM, SWEET (Origanum Majorana).
ROSEMARY (Rosmarinus officinalis).
RUE (Ruta graveolens).
SAFFRON (Carthamus tinctorius).
SAGE (Salvia officinalis).
SAVORY, SUMMER (Satureja hortensis).
SAVORY, WINTER (Satureja montana).
SORREL (See page 28).
TANSY (Tanacetum vulgare).
THYME, BROAD-LEAVED (Thymus vulgaris).
WORMWOOD (Artemista absinthium).

KALE, OR BORECOLE

Breton **Blaetterkohl** **Chou Vert**

CULTURE—This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are 6 inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size.

If the tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply.

This is also true of Jersey or Tree Kale. One ounce of seed will produce 4000 plants. Seed should be sown thinly in drill and reset 12 inches apart in rows 3 feet apart.

	Pkt	Oz.	¼ lb	1 lb
Germain **DWARF CURLED SCOTCH.** Very hardy, excellent for spring use	10	$ 20	50	$1 50
Germain **GREEN CURLED SCOTCH.** The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled	10	20	50	1 50
Germain **JERSEY, OR TREE KALE.** Of vigorous growth, grown for chickens and stock only	10	20	45	1 25
THOUSAND HEADED KALE. An excellent food for poultry, an immense yielder. Crops are known to have gone as high as 60 tons of green feed per acre. Anyone having poultry should plant it	10	20	45	1 25

Seed should be planted in drills 3 feet apart and the plants transplanted when from 6 to 8 inches high. The plants should be set three feet apart each way.

They grow about 4 feet high with a wide spread of leaves and a single plant often weighs 30 to 40 pounds.

KOHLRABI

Colinabo **Kohlrabi** **Chou-rave**

CULTURE—This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like turnip and thin to six inches apart in row. One ounce seed will produce 2000 plants.

	Pkt	Oz.	¼ lb	1 lb
EARLY WHITE VIENNA. Flesh white and tender	10	$ 30	$1 00	$3 00

LEEK

Puerro **Lauch** **Poireau**

CULTURE—Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb.

The neck or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 16 to 20 inches apart and the plants 10 to 12 inches apart.

Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when they are about as thick as a good sized goose quill they should be transplanted.

	Pkt	Oz.	¼ lb	1 lb
LONDON FLAG. A large and strong plant; hardy	10	35	$1 15	$3 50

ICEBERG LETTUCE

LETTUCE

Note—Prices listed are postpaid.

Lechuga **Salat** **Laitue**

CULTURE—A world wide grown vegetable because it can be quickly and easily grown, is extremely palatable and very nutritous. Every garden deserves a lettuce plot. The quickest growing types are the loose leaf varieties and we suggest for the home garden a plot of loose leaf and a bed of the heading type. The loose leaf varieties will have matured and be used up by the time the heading types are matured.

The loose leaf Lettuce does not form heads but where the plants are grown a distance apart they make a large rounded cluster of leaves. Leaves are heavily crumpled and attractive in appearance, crisp and tender. We advise the planting of two ounces of seed for a 150 foot row and if the lettuce is too thick, thin after it has attained a size which can be pulled and used for salad or it can be thinned out when young and transplanted to another section of the garden. Lettuce needs considerable moisture, applied often but not too heavily and plenty of cultivation to obtain best results.

HEAD LETTUCE, is so called because of its extremely solid or compact formation. Such types as Los Angeles Market, Wonderful, New York, Big Boston and Iceberg, may be depended upon to satisfactorily mature a firm cabbage-like head.

Heading varieties should be sown the same as loose leaf except that it should by all means be thinned out when the fourth leaf appears leaving plants in the row 10 inches apart.

A rich pliable medium loam soil is best.

Germain RECOMMENDS

ICEBERG LETTUCE

A splendid Head Lettuce. For summer planting—compact, tender, crisp, creamy white heads.

Grows a solid head in midsummer and is highly praised by all users. Grow this large, crisp, tender and sweet summer heading lettuce when other varieties will not head. Germains recognized the superb qualities of this Iceberg Lettuce long ago and with our recommendation it is grown more extensively than any other lettuce during the summer. Pkt. 10 cents; ounce 20 cents; ¼ pound 65 cents; 1 pound $2.00.

CABBAGE OR HEADING VARIETIES

	Pkt.	Oz.	¼ lb	1 lb.
BIG BOSTON. A very deserving smooth-leaved head lettuce, which has not received the attention of California growers as it should. Extremely popular in eastern markets and very successfully grown out here	10	25	85	2 50
ICEBERG. See Specialty above.				
IMPROVED HANSEN. Very large, sweet, tender and crisp	10	20	65	2 00
LOS ANGELES MARKET. See page 24	10	30	1 00	3 00
Germain **NEW YORK.** The pride of the Los Angeles market. By far the most profitable lettuce grown. Exclusively used by the best Los Angeles hotels. Hardy, uniform size, wavy leaved and blanches beautifully. Crisp, tender, of just the right flavor, it never fails to please. We have gone to great expense to secure the best and we list it with our strongest recommendation	10	30	1 00	3 00
Germain **PARIS WHITE COS.** An excellent variety; large, crisp, tender and of fine flavor; resists warm weather and is the best Cos lettuce. Known also as Romaine Cos.	10	20	65	2 00
Germain **WONDERFUL.** A splendid variety for market orhome use and the best sort adapted for fall sowing. A strong grower, making fine heads	10	30	1 00	3 00

CURLED OR LOOSE LEAVED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
Germain **BLACK-SEEDED SIMPSON.** One of the best; leaves are large, thin and exceedingly tender	10	20	50	1 50
EARLY CURLED SIMPSON. A popular early sort; forms large, loose heads	10	20	50	1 50
Germain **PRIZEHEAD.** Large, loose-headed sort; leave stinged with brown; very heavy	10	20	50	1 50
CHICKEN LETTUCE.—This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chickeh and rabbit feeding. It absolutely does not head and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc.	10	15	50	1 50

Prices Subject to Change Without Notice

MUSKMELONS

Note—Prices listed are postpaid.

Melon Almizcleno **Cantalupen** **Muscade**

CULTURE.—Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. It is highly important that your soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, as quickly as the moisture has thoroughly penetrated and the soil is in a tillable or workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow about it with soil until level with surface.

Continuous cultivation is now necessary and where soil conditions require, systematic irrigation should be followed. Do not, however, irrigate close to the plant as it will cause dampening off, and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. Two to three pounds of seed is used to an acre.

THOROUGHBRED ROCKY FORD CANTALOUPE

GREEN FLESHED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
THOROUGHBRED ROCKY FORD. This is considered an improvement on the Rocky Ford; our seed is selected with the greatest care	10	$ 20	$ 50	$1 50
Germain **EXTRA-EARLY HACKENSACK.** Very popular sort, producing large, handsome, extra early melons of best quality. It is some two weeks earlier and almost as large as the famous New Jersey Hackensack; fruit nearly round, deeply ribbed and very coarsely netted. The flesh is green and most delicious	10	20	50	1 50
LARGE HACKENSACK. Large fruit covered with coarse netting; thick green flesh, sweet and fine flavored	10	20	50	1 50
MONTREAL MARKET. A very large, green nutmeg type, almost round, heavily netted; thick, luscious flesh, late and especially adapted to cool climates	10	20	50	1 50
Germain **PINEAPPLE CANTALOUPE.** Large size, early, flesh green and rich flavor. Excellent shipper and a prime favorite with all	10	20	60	1 75

GERMAIN'S "HONEY DEW" MELON

The color of Germain's Honey Dew Melon is a dull creamy white. The rind is very thin and close grained. The flesh is a rich green, very fine grained and exceptionally sweet and juicy. The flavor is indescribably delicious. It is a long keeping melon, remaining in good edible condition for several months. The size is about six to seven inches is diameter from top to bottom and about eight inches wide.

The fact that Germain's Honey Dew Melons may be selected by color when being picked for market enabled the grower to know in advance that his entire shipment is composed of first class melons such as will please the most fastidious trade. This feature makes this melon a very valuable type to grow for market. If you want the very last word in melon flavor, don't fail to plant Germain's Honey Dew. This is the melon that now commands fancy prices in every market. Prices, per packet 10c; per ounce 25c; per ¼ pound 85c; per pound $2.50.

Mushroom Spawn

Seta **Schwamm** **Champignon**

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

LAMBERT'S PURE CULTURE. This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated to California conditions and selected with reference to earliness, size, flavor, appearance prolificy and quality of the mushrooms that it will produce. We highly recommend this spawn to those who intend to raise mushrooms for the market.

Bricks 40 cents each, 5 bricks $1.75, postpaid.

Mustard

Note—Prices are postpaid.

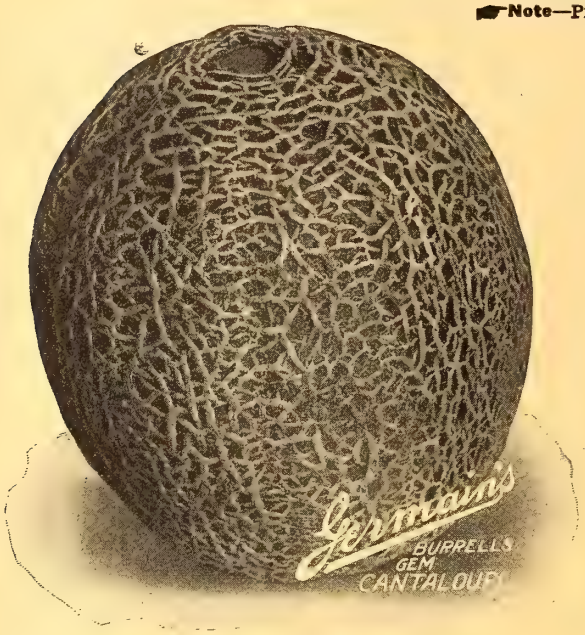
Mostaza **Senf** **Moutarde**

CULTURE—Sow any time in the year, though autumn sowing brings best greens for they revel in cool weather. Not particular as to soil, though a medium heavy one is best.

	Pkt.	Oz.	¼ lb	1 lb
CHINESE WHITE. Gin Toi	$0 10	$ .40	$1.35	$4.00
Germain **OSTRICH PLUME.** So called for its feathery appearance; ornamental as well as useful	10	.20	.50	1.50
Germain **SOUTHERN CURLED.** Leaves large, fourteen to sixteen inches in length, which are cooked like spinach, and have a very agreeable flavor. One of the best green foods for poultry	10	.20	.40	1.25
WHITE LONDON. Best for salads or medicinal purposes	10	.20	.25	.75
WILD BLACK MUSTARD	10	.20	.25	.75

MUSKMELONS

Note—Prices listed are postpaid.



SALMON FLESHED VARIETIES

	Pkt	Oz.	¼ lb	1 lb
ROCKY FORD-POLLOCK No. 1025. The latest improved type of the popular Rocky Ford. Perfect shipping qualities. Very good flavor	10	20	65	2 00
ROCKY FORD GOLD LINED. A perfect shipper due to the hard netted rind. Gets its name from the yellow tinge around the seed cavity. Has best flavor of all Rocky Fords	10	20	65	2 00
PERSIAN. A new variety, yellow flesh, heavily netted but of smooth rind. Very sweet and of distinctive flavor. Splendid keeper—average weight about 7 pounds each—many much larger. See page 19	10	50	1 65	5 00
BANANA. Grows one and a half to two feet in length and three or four inches in diameter; flesh salmon, and exquisitely flavored, resembling banana. Brings a high price in eastern markets	10	20	50	1 50
Germain **BURRELL'S GEM.** A splendid new variety. Superior to Rocky Ford. Flesh thick, salmon in color and fine flavor; rind heavily netted	10	20	50	1 50
GOLDEN HONEY. A salmon-fleshed Honey Dew. Very good. See page 19	10	30	1 00	3 00
Germain **HOODOO.** A new and excellent variety; an ideal shipper of medium size; rind thin; flesh very thick firm and highly colored; of fine texture and delicious flavor	10	20	60	1 75
EMERALD GEM. A small, very early melon; form g'obular, flesh salmon-colored, exceptionally fine flavor.	10	20	60	1 75
INDIANA. Rich yellow flesh	10	30	1 00	3 00
MILLER'S CREAM, OR OSAGE. The fruit is large and round, with light green netted skin and thick, sweet, salmon-colored flesh	10	20	50	1 50
PAUL ROSE. Handsome; oval, new variety; rich orange, flesh very sweet	10	20	65	2 00
TIP TOP. A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed slightly netted. Flesh salmon color, rich and sweet	10	25	5	2 50

MISSION BELL

GERMAIN'S "MISSION BELL" CANTALOUPE

We consider ourselves very fortunate in being able to offer this splendid melon. The flesh is a full salmon color even up to the very rind, and is of unsurpassed flavor, bearing a high percentage of sugar. The rind is heavily netted and the melon is larger than medium size.

Mission Bell is a vigorous grower, early bearer, and if planted a bit late in the season is not so acutely susceptible to frost. An outstanding feature is the keeping qualities, both on the vine and after being picked. For an all round family melon, here is a crackerjack; and as for the market gardeners, we can say Mission Bell is grown by California's most extensive melon growers. You can't beat the Mission Bell. **Pkt. 10c; oz. 40c; ¼ lb. $1.35; lb. $4.00.**

CASABA MELONS

Note—Prices listed are postpaid.

CULTURE—The same as Muskmelon. Follow carefully.

CASABA POINTERS—The Casaba is an exceptionally fine melon if grown, picked and cured properly and to insure success follow our pointers.

1. For early Casabas plant as soon as weather will permit, usually March. For a late crop plant from middle of June to middle of July.
2. Picking at the proper time is very important. If desired for immediate use do not pick until the rind will give under pressure, using the thumb to determine this. If rind is firm the melon is not ripe and full flavor has not yet developed.
3. Casabas can be picked green and held in storage until ripe. Green melons are used for shipments of any distance. Do not pick for shipment until the melon has lost its shiny appearance.

	Pkt	Oz.	¼ lb	1 lb
Germain **GOLDEN BEAUTY.** A variety of Winter Pineapple which it resembles in every way except color	10	25	85	2 50
IMPROVED HYBRID. A variety that ripens late and is a good keeper. Thick flesh of excellent quality	10	25	85	2 50
Germain **SANTA CLAUS.** The latest melon grown. Thin, hard skin with yellowish brown markings, flesh light green and good flavor. Can be picked in September or October and will keep for several months	10	25	85	2 50
Germain **WINTER PINEAPPLE.** A large, late melon, of unique appearance, corrugated skin, green flesh of pronounced pineapple flavor. Melons do not ripen on the vines. Flavor is greatly improved by being stored in a cool place	10	25	85	2 50

The Germaco Way to Protect Crops from Frost

Germaco "Hotkaps" Supply Insurance Against This and Other Dangers at a Remarkably Low Cost. They Also Stimulate Normal Growth, Maturing Crops Earlier.
Early Crops Bring Higher Prices!

GROWERS who prepare land and plant early in the spring run the dangerous risk of having crops destroyed by late frosts. Frequently this comes at a time when it is too late to replant. The time and the effort involved are wasted; money is lost.

Germaco "Hotkaps" insure against this hazard. This invention not only protects crops from frost, but shields young plants from wind, rain and insects. "Hotkaps" guard against too much moisture which often causes a delayed and weakened growth. They stimulate plant growth too, *maturing crops earlier* and making it possible for them to command higher prices, being first to market. "Hotkaps" quickly pay for themselves in many ways.

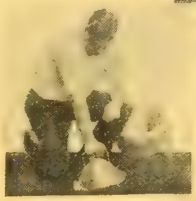
"Hotkaps" not only protect the plant and ripen crops sooner, but in a driving rain help materially to keep the soil soft and fertile, thus materially increasing the hardiness of the growth. When thus shielded, the ground remains cultivated, and is as healthy and fertile as the day the seeds were planted. Thus it assures a good mulch around the plant when young.

Note the illustrations here, and see how easy it is to use "Hotkaps." They are made of a specially prepared waxed paper, are semi-conelike in shape, measuring about eleven inches in diameter at the base and tapering to a point at the top. When placed over the seeds, and held firmly in place by the surrounding soil, "Hotkaps" become *individual miniature hothouses*. They may be ventilated as needed by slitting the side. When the plant grows to the top of the "Hotkap", slit the top so the plant may grow through. The base, then, still has protection.

Mail us an order today for "Hotkaps." Try them and see to what extent they aid the growth of crops, and how they assist you in getting to market sooner, and being thus able to get better prices. Or, if you prefer, we will send you more detailed information about "Hotkaps." Note the coupon below.

1
"Hotkap" being inserted into Setter.

2
Setter placed on ground over spot where "Hotkap" is wanted.



3
Press Setter and "Hotkap" will be set below surface of ground, leaving just a few edges showing above ground.

4
Placing earth around Setter, covering edges of "Hotkap" showing in previous picture.

5
Removing Setter and showing "Hotkap."

Germāco
Hotkaps

"Hotkaps" are considered by authorities as one of the greatest agricultural inventions in the past decade. Last year farmers in 38 states of the Union successfully used them for protection against frost and earlier crop maturity.

"HOTKAP" SETTERS

IN placing the "Hotkaps" over the plants, the "Hotkap" Setter will prove very helpful. This is a small steel cone, light in weight, the exact shape of the "Hotkap" itself, with a handle at the top. The Setter costs only $2.50 and can be used a lifetime.

ORDER BLANK

Shipping weight, 22 lbs. per 1000. Packed 1000 to a roll.

1,000	$10.00 per 1000	25,000	$9.25 per 1000
5,000	9.75 per 1000	50,000	9.00 per 1000
10,000	9.50 per 1000	100,000	8.75 per 1000

Germain's Seed & Plant Co.,
Los Angeles, Calif.

Please send me ..... thousand Germaco "Hotkaps" @ ..... per thousand. I also enclose $2.50 for a "Hotkap" Setter. I enclose money-order herewith.

Name.....

Address.....

City..... State.....

..... Check here if you want additional information about Germaco "Hotkaps."

WATERMELONS

Note—Prices listed are postpaid.

Sandia **Wassermelone** **Melon d'Eau**

CULTURE—The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inch depth are prepared and 6 to 8 seeds are planted about 1½ inches deep every 10 feet in the furrow; furrows about 8 feet apart.

This plant assumes a more rapid growth than Muskmelons, consequently more frequent cultivation and care must be give while the plants are young. As the plants grow in the furrow, fill in the soil about them so as to establish roots well into the deep soil and when the plants are securely established pluck out all but two of the most hardy and healthy ones. The furrows in which t plants are growing want to be filled gradually as the plants grow until level with the surface, and then in early cultivating throw t soil towards the plant until a slight knoll or hill is formed.

In irrigating soak ground thoroughly and follow by cultivation as quickly as practicable, in order to keep a permanent mul and maintain the moisture. Use one and onehalf pounds of seed to an acre.

	Pkt	Oz.	¼ lb	1
ALABAMA SWEET. A very popular variety in the south, especially in Texas, where they grow it in preference to any other. In shape it is long, color dark green, flesh red and absolutely stringless	10	$ 20	35	$1
Germain **ANGELENO.** A top notch melon; big producer, excellent shipper, oval shaped and fine color; medium size to large; pick only when green shades to gold. A prime favorite with all	10	20	50	1
BLACK SEEDED ANGELENO. A combination of the unexcelled qualities of the famous angeleno and the favorite black seeded Chilian. Undoubtedly a melon of par excellence and a prime favorite for the market	10	20	65	2
EXCEL. This is a new variety of black seeded melon that has proven very popular in the south and also in the San Joaquin Valley. Large size, extra good shipper, and heavy yielder	10	20	50	1
FLORIDA FAVORITE. An old popular, long-stripe melon of good quality	10	20	40	1
GEORGIA RATTLESNAKE, OR GYPSY. Standard southern variety, which possesses remarkable shipping qualities; oblong, scarlet flesh, crisp and juicy	10	20	40	1
GERMAIN'S IMPROVED BLACK SEEDED CHILIAN. This melon possesses a rich, fruity flavor. It has all the good qualities of the white seeded melon but is a trifle sweeter and has a very thin rind. Home gardeners like this variety because of its moderate size and delicious flavor	10	20	50	1
GERMAIN'S IMPROVED WHITE SEEDED CHILIAN. Another unusual melon of exceptional merit. It is extra solid, extra crisp and extra sugary—a great favorite with growers because of its remarkable eating and shipping qualities	10	20	50	1
KING and QUEEN. A new melon that when properly stored will keep until February. Very good	10	30	1 00	3
KLECKLEY'S SWEET. This new melon is one of the best for the home market or family use. The melons are large, eighteen to twenty inches long and ten to twelve inches in diameter, dark green; rind thin, flesh scarlet and very sweet	10	20	40	2
KLONDIKE. One of the sweetest and most prolific melons. Seeds one-half as large as in other melons. Although not a good shipper, good for local consumption. See page 22	10	25	85	5
Germain **TOM WATSON.** An exceedingly popular melon in the South. Fruit large, running at times as high as sixty pounds. Rind thin but tough, consequently a good shipper. A dark green in color with flesh a brilliant scarlet. Very large with small seed area. An early variety of delicious flavor	10	20	50	1
YELLOW-FLESHED ICE CREAM. The melon grows very large, of oblong shape, the flesh is a beautiful yellow, and has a peculiar, delicious flavor, different from any other variety	10	20	50	2

ANGELENO

PRESERVING MELON

	Pkt	Oz.	¼ lb
COLORADO PRESERVING CITRON. Excellent for making preserves	10	20	45

STOCK MELON

	Pkt	Oz.	¼ lb
GREEN SEEDED CITRON. A hardy, productive variety for feeding purposes	10	20	40
RED SEEDED CITRON. Same as green only red in color	10	20	45

ONIONS

Cebolla **Zwiebel** **Ognon**

☛ **Note**—Prices listed are postpaid.

CULTURE—Many different methods of planting onions are in practice but the one most practical to the general market grower is the following method:

Planting in this section usually starts in December, January and February unless the season is exceptional and then possibly earlier.

The primary requisite is good seed and in this we excel, our seed being produced by experts who have been growing for us for years and our trade has been greatly increasing due to the excellence of our seed.

Sow onion seed with a seed drill in rows 14 inches apart, using on this basis from 4 to 4½ pounds of seed per acre. The land must be thoroughly plowed, disked, and harrowed when necessary. It is impossible to prepare your land too carefully in growing the onion as it responds readily and in order to get maximum yields, thorough preparations must be made.

As soon as the plants appear, hand weeding must start both in and between the rows. From this point on the plants must have a steady even growth as a check whether from disease or drought will cause them to go to seed extensively. When the onions are ready for harvesting the tops will be well ripened down. If, however the tops are still green we would suggest running a light roller or plank over the field to press them down. In ten days after this operation the onions should be pulled and left in the field one deep to dry. When thoroughly dried the tops can be removed. However we do not recommend this until ready to ship to market. If the onions are to be kept any period of time they should not be sacked but put on a floor or in a bin where there is a complete circulation of air. In some localities the transplanting system is followed. If this is done the seed should be planted in beds during August and September and transplanted to permanent field during February and March. The seed should be sown broadcast in the bed about ¼ of an inch deep. When transplanted they are put in rows 14 inches apart and 6 inches apart in the row.

The land chosen for onions should be damp or easily irrigated, preferably loose sandy loam or peat and should always be kept well drained. Heavy adobe or clay soil is good but here irrigation must be carefully practiced. On this latter soil onions do not color up as well nor are they as even in shape as on lighter soil. Never pick weedy land for onions and avoid lands just free of grain crops. Garden lands are always preferable. Repeated planting for more than two successive seasons on the same ground is not advisable as onion diseases are bound to appear.

AUSTRALIAN BROWN ONION

The first requirement of the market gardener in selecting an onion is its shipping quality. The producer for home use finds this feature of equal value, for it insures him a prime supply of the vegetable in the cellar bin at all times. In stocking the Australian Brown, Germain's are entirely satisfied that under the most adverse conditions the grower will be more than pleased with this variety. The flesh is pure white, close layered, juicy and tender, growing to a good size. This hardy variety does especially well in the South, and when planted in rich, sandy soil and given an abundance of water, will produce more to the acre than any onion that has come under our observation. Germain's customers will not regret planting the Australian Brown, and we are pleased to note that we are stocked to take care of all orders. Pkt. 10 cents; ounce, 25c.; one-fourth pound, 85c; one pound, $2.50.

	Pkt	Oz.	¼ lb	1 lb
AUSTRALIAN BROWN. The flesh is pure white, close layered, juicy and tender, growing to a good size. This hardy variety does especially well in the South.	10	25	85	2 50
Germain **BERMUDA YELLOW ONION.** This variety is more extensively grown for the early market than any other. Being ready for shipping when the storage supply is exhausted they bring the very highest price. Our stock of seed is from the Island of Teneriffe, grown by the most reliable seed grower in that celebrated district. A large, flattish onion, very mild and of a pale straw color	10	50	1 65	5 00
Germain **CRYSTAL WHITE WAX.** A large white onion of the Bermuda type, becoming more popular every year. It is very early, mild in flavor. Excellent shipper and keeper. The seed is very generally sown in beds, and transplanted to the fields when partly grown. Our stock of seed is from the same Teneriffe grower that has supplied us with our fine strain of White Bermuda seed for years.	10	90	3 00	9 00
GERMAIN'S GREAT BUNCHING ONION. See following page				
LARGE RED WETHERSFIELD. One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper.	10	30	1 00	3 00
Germain **MAMMOTH SILVER KING.** A large white onion with a silvery skin, flattened on top but quite thick.	10	50	1 65	5 00
NEW QUEEN.	10	40	1 35	4 00
Germain **PRIZE-TAKER.** The largest of the yellow onions, globular in shape, of a pale straw color. Produces enormous crops; bulbs frequently weigh as high as three pounds	10	30	1 00	3 00
Germain **SOUTHPORT WHITE GLOBE.** A great yielder, fine grained and firm; flavor mild	10	50	1 65	5 00
SWEET SPANISH ONIONS. In this new onion you find all the good features of a perfect onion with none of the disadvantages of the common onion; no bite, no objectionable strength. Mild, sweet flavor, good firm meat, fine, tender texture	10	90	3 00	9 00
Germain **WHITE PORTUGAL, OR SILVER SKIN.** One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter	10	50	1 65	5 00
Germain **YELLOW FLAT DANVERS.** This is one of the very earliest varieties, a good shipper and keeper. Flat in shape, of straw color and mild in flavor	10	25	85	2 50
YELLOW GLOBE DANVERS. A well known early onion of fine quality. Flesh white and firm. Color a bright orange; grows to a good size, hardy, a sure cropper and a good keeper	10	30	1 00	3 00

GERMAIN'S GREAT BUNCHING ONION

This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Price, packet 10 cents, ounce 50 cents, ¼ pound $1.65 pound $5.00 Prices are postpaid.

ONION SETS

ONION SETS

Write for prices in large quantities

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside back cover page. If quantities are desired, do not fail to write for special prices.

Grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. If left to stand they make ripe onions of excellent quality. Maturing about six weeks earlier than crop grown from seed.

	1 lb.	10 lbs.
BROWN AUSTRALIAN	40	$3.50
WHITE PORTUGAL	40	3.50
YELLOW DANVERS		

GARLIC SETS. See page 37.

OKRA

Note—Prices listed are postpaid.

Quimbombo Ocher Gombaud

CULTURE—Seed can be planted from the middle of March until the latter part of August. Plant in rows 8 inches apart in rows 3 feet apart. Plant seed 1½ inches deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritous pods which when young are used in soups and stews, to which they impart a rich flavor.

	Pkt	Oz.	¼ lb	1 lb
EARLY DWARF. Dwarf, stocky growth, heavy bea er. The pods are of medium length, greenish white, tender and of good quality	10	20	45	$1 25
LONG GREEN. Later and more productive; ribbed pods	10	20	45	1 25
Germain **WHITE VELVET.** Pods round, smooth, free from seams; exceedingly tender, well flavored and very prolific	10	20	45	1 25

PARSLEY

Note—Prices listed are postpaid

Perijil Petersille Persil

CULTURE—Same as Lettuce, see page 36.

Every garden should include parsley as its demands and uses are constant by the housewife. Being ornamental, it makes a very attractive border plant for the flower garden. It may be planted as such if you have not room in the vegetable plot.

	Pkt	Oz.	¼ lb	1 lb
Germain **CHAMPION MOSS-CURLED.** Vigorous compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden.	10	$ 20	$ 60	$1 75
FERN-LEAF MOSS. Most exquisite in form and color; exceedingly fine for garnishing and flavoring	10	20	60	1 75
Germain **HAMBURG, OR TURNIP-ROOTED.** The roots are excellent for flavoring soups	10	20	60	1 75
PLAIN PARSLEY. Leaves flat, deeply cut but not curled. Very dark green in color and very hardy. Easily grown. Used largely for flavoring soups, etc	10	20	50	1 50

PARSNIP

Chirivia Pastinake Panais

CULTURE—Sow any month in the year in drills of rich soil one and one-half inches deep and fifteen inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

	Pkt.	Oz	¼ lb	1 lb
Germain **HOLLOW-CROWNED.** Best parsnip grown either for table or stock	10	25	85	2.50

PEAS

Chicharos e Guisantes Erbsen Pois

Note—Prices up to and including ten pound quantities include postage or expresssage prepaid. When sent otherwise, deduct 10c per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, do not fail to write for special prices.

CULTURE—We classify Peas into three distinctive types. First early, second or medium early, and late. Of the early peas, we recommend Nott's Excelsior, American Wonder and Gems. These planted in August and September will come into bearing for the early high price market. For the home garden first early the little Marvel should be used. The main market gardeners crop is of the second early type and we recommend the Stratagem and Admiral or Senator for this planting. Of the late peas the Telephone is to be preferred.

Peas may be planted in almost any kind of soil. In light soil during the warmer months they should be planted about 3 inches deep so as to be near moisture. In heavier soils or in fall months plant about 1 inch deep, that warmth may penetrate and help germinate the seed.

Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground; this is an important point. Cultivate after each irrigation. Usual planting is at rate of 60 pounds per acre.

INOCULATE THIS SEED WITH FARMOGERM

FIRST EARLY VARIETIES

	Ht. ft	Pkt	½ lb	1 lb	10 lb
AMERICAN WONDER. This is an early wrinkled pea of dwarf habit, the vines generally being about a foot high. Especially good for the private garden. It is quite distinct from other peas, being very stocky and erect. Very prolific...	1	10	20	40	3 50
DWARF TELEPHONE. This is a dwarf growing strain of the "Telephone" variety.....	2	10	20	40	3 50
GRADUS. An early wrinkled Pea of the finest quality, bearing large pods well filled with the sweetest peas you ever ate. It is not only large and of good quality, but it is also one of the very earliest sorts, and brings the best prices. The demand for these peas from the hotel and choice trade is never supplied. Market gardeners should plant a liberal acreage of this variety. Does best in loamy soil.....	3	10	20	40	3 50
LAXTONIAN. A fine wrinkled pea, being the largest podded of the dwarf varieties. The pods are similar to Gradus in shape, color and quality.....	2	10	20	40	3 50
Germain **NOTT'S EXCELSIOR.** A splendid dwarf wrinkled sort, one of the best, hardy, vigorous, and will mature almost as soon as the smooth varieties, often ready to pick in fifty days. The pods usually contain from seven to nine peas. Tender and of fine flavor. This variety is rapidly growing in favor for early planting, as its hardiness and quick growth make it a very profitable market pea.....	1½	10	20	40	3 50
PREMIUM GEM. A fine early wrinkled pea with vines about fifteen inches high, pods long and produced in abundance. A profitable market variety excellent for private use.	1½	10	20	40	3 50

SECOND EARLY VARIETIES

	Ht. ft	Pkt	½ lb	1 lb	10 lb
SENATOR OR ADMIRAL. A new sort introduced on our local market about three years ago. It is a good second early pea, has thick green foliage, and bears abundantly, large well-filled pods. We consider it one of the best peas for our local markets.....	2	10	20	40	3 50
DWARF SUGAR or EDIBLE POD. A low growing vine bearing large sweet pods that can be cooked and used the same as stringless beans. Vines bear heavily of peas that have delicious flavor.....	2½	10	20	40	3 50
STRATAGEM. This variety has come into prominence on the Los Angeles due to the fact it is exceedingly prolific and sweet, and has a tendency to keep well after picking. The majority of peas purchased at the corner grocery or fruit stand are this variety. For the market gardener they are exceedingly profitable, and as it is profitable for him to grow them, it is also for the home gardener. It is the main crop variety which grows without any supports. A plot planted to this variety will be very profitable.....	2	10	20	40	3 50
YORKSHIRE HERO. Its strong, vigorous growth makes this pea especially valuable to the market gardener and in the home garden that is not too well taken care of, it will naturally be found the most healthy and productive of all the vegetables. It grows bushy, yields prodigiously, pods are filled with delicious peas.....	2	10	20	40	3 50

LATE VARIETIES

	Ht. ft	Pkt	½ lb	1 lb	10 lb
Germain **ALDERMAN.** A wonderfully well flavored Pea and one that is bound to be sold largely in this market. In habit, the vines are tall and branching, bearing large deep green, straight and handsome pods, averaging 4½ to 5 inches in length. When it is well known, this pea to our notion is bound to supersede the "Telephone". Do not fail to include the Alderman pea in your order, and if you are a market gardener and desire to grow a Telephone pea, specify Alderman. It will make you money.....	5	10	20	40	3 50
Germain **TELEPHONE.** A fine wrinkled pea growing about four feet high. The peas are large, and of a pale green color. It is very prolific and the pods are very large, containing eight or ten peas.....	5	10	20	40	3 50

PEPPERS

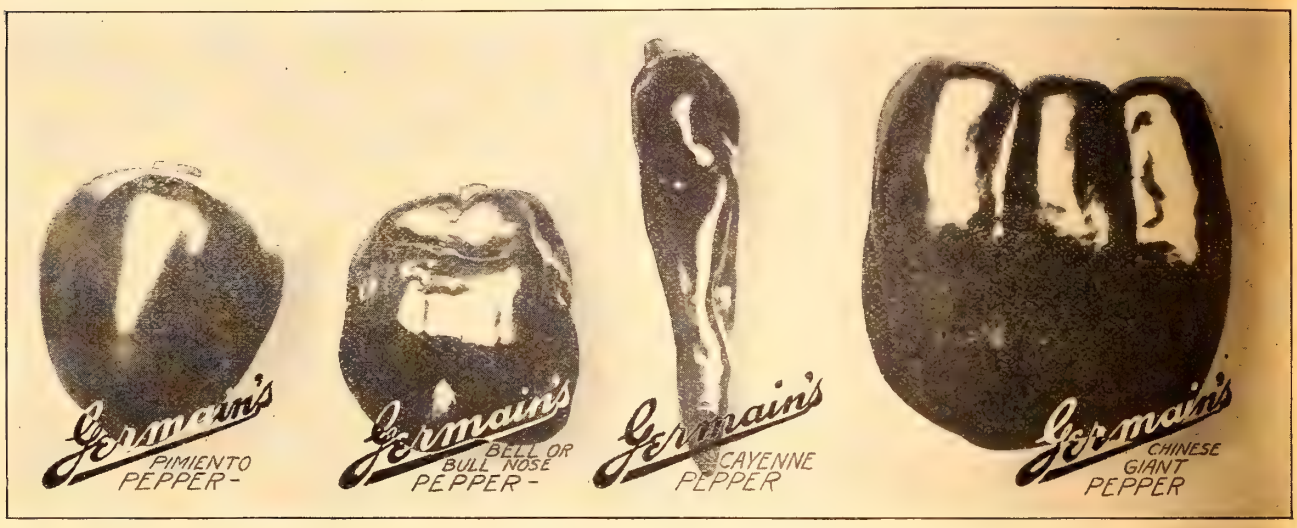
Note—Prices listed are postpaid.

Pimiento **Pfeffer** **Piment**

CULTURE—For early market peppers, seed should be planted in hot beds during November and December, and when the plants are of proper size and the danger of frost is passed they should be planted in the open field or garden or the plants may be planted direct to the open ground before the frost period is over if they are given proper protection.

To harden off plants before setting out remove covering of hot bed during warmer part of the day, being sure to replace same as it starts to turn cool in the evening.

For main crop, plant in the hot bed during February, March and April; in later planting cold frames may be utilized. As pepper seed demands ideal conditions for growing, do not attempt to plant the seed in the open unless it be in the summer when the air and ground are warm. A loose sandy loam soil is best. One half pound of seed will produce enough plants for an acre. **PLANTS, see page 16**



TOPEPO

A NEW PEPPER

Something new in the way of a Pepper. Combines the delicious qualities of the Pepper and the Tomato. It is the result of some five years of experimenting. The pungency of a Bell Pepper and the flavor of a Tomato. In shape it is like the Tomato, with thicker and more solid side-walls. Color, golden-yellow, striped with green. Grows to a good size, plants grow upright, in bush form, like a Pepper. Bears heavily and for a comparatively long season. Is an admirable sort for stuffing and baking, or for salad. We feel that this is going to become a very popular vegetable. Packet, 25c; ¼ oz., $3.00. Write for prices in larger quantities.

GERMAIN'S PERFECTION PIMIENTO PEPPER

California is famous for her production of all kinds of peppers among which the Pimiento stands pre-eminent among the home garden types. All home gardens could include Germain's Perfection Pimiento Pepper which is unquestionably the most wonderful home pepper ever offered, by any seedman. It is of brilliant red color, fine texture, but of thick flesh, with a semi-sweet tasty flavor. The absolute absence of any hot tendency insures just the right delicate touch in making up salads, finishing appetizing steaks, or as a stuffed side dish. To those who know the eating qualities of an unexceled pepper, we need say no more, and to those who have never known it, we can only say that you have missed a rare treat, and by all means should see that it has a place in your garden.

Price: Packet 10c: Ounce 60c; ¼ lb. $2.00; 1 lb. $6.00.

	Pkt	Oz	¼lb	1 lb
ROYAL KING. A splendid new early variety, very similar to the Ruby King. Though not as long as this type, it is larger in diameter. The meat is sweet and thick. Very popular for the market due to its exceptional shipping qualities. Large amounts of the Royal seed are grown yearly in Mexico for shipment to this country	10	$ 80	2 65	8 00
Germain **ANAHEIM CHILI.** (Chili Caliente). The country around Anaheim is the greatest pepper growing section in the world, the shipments running over 100 car loads a year. Our seed is selected from the finest and most productive fields in that vicinity and is certain to produce splendid crops. This pepper is from 6 to 8 inches long and tapers from 1½ to 2 inches in diameter at the top to a point. When dried it is a brilliant scarlet.	10	50	1 65	$5 00
Germain **BELL, OR BULL NOSE.** Early, sweet and of good flavor	10	80	2 65	8 00
CALIFORNIA WONDER. A new pepper. See page 25	25	2 50	8 35	25 00
CAYENNE. Pods small, long and tapering; coral red when ripe, very hot and strong, best kind for seasoning pickles; the Cayenne Pepper of commerce	10	80	2 65	8 00
CHINESE GIANT PEPPER. A pepper of exceptional merit. It is very mild in flavor and is an ideal variety for the home garden. Exceedingly popular for stuffing	10	1 50	5 00	15 00
MEXICAN CHILI. The pepper that has made the tamales of Mexico famous is becoming very popular in the Southwest. Our seed is obtained directly from Mexico	10	50	1 65	5 00
PERFECTION PIMIENTO. See above	10	60	2 00	6 00
RED CHERRY. Tall plants with a number of bright red peppers about two-thirds of an inch in diameter. Very ornamental.	10	80	2 65	8 00
RED CHILI. A very pungent variety. Grows about 2 inches long, measuring from one-third to one-half inch at the base and tapering down to a point	10	80	2 65	8 00
RUBY KING. A large growing sweet pepper of the Neapolitan type; strong grower and prolific See page 25	10	80	2 65	8 00
TABASCO. A tall, bushy variety producing many slender and fiery hot peppers about 3 inches long and ¼ inch thick	10	80	2 65	8 00

Prices Subject to Change Without Notice.

PUMPKINS

Note—Prices listed are pstpoaid.

Calabasa **Kuebis** **Courge**

CULTURE—Pumpkins grow and thrive in most any soil. A well-drained soi subject to irrigation is best. Pumpkins like other vine crops, should be irrigated carefully, not allowing the water too close to the main stock. As the roots are long, irrigation can be made at the ends of the vine. When the fields are covered by vine, irrigate midway between the rows. Too much water is very detrimental to the vines. Plant hills 8 to 10 feet apart each way, placing 4 seeds to a hill and after established pull out all but the one healthiest plant. Use one pound of seed per acre.

WINTER LUXURY PUMPKIN

	Pkt	Oz.	¼ lb	1 lb
BOSTON PIE OR SMALL SUGAR. A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine grained. As famous in Boston as the Boston Beans	$ 10	$ 20	$ 50	$1 50
CHEESE. Size large; reddish orange; flesh thick, fine and sweet; keeps well	10	20	35	1 00
Germain **CONNECTICUT FIELD, OR JACK O'LANTERN.** A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended	10	20	40	1 25
CUSHAW, OR CROOK-NECK. Solid, fine, sweet; keeps well	10	20	50	1 50
JAPANESE PIE. The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use	10	20	35	1 00
KENTUCKY FIELD PUMPKIN. A heavy fleshed and remarkably sweet pumpkin. A splendid keeper and a fine sort for family or market use. Its large size makes it desirable for stock also. Especially adapted to Southern California conditions.	10	20	35	1 00
Germain **MAMMOTH KING or POTIRON.** The best large pumpkin in use. Forms immense globular melons, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size	10		60	1 75
Germain **SWEET OR EARLY SUGAR.** This is the small, sweet pumpkin that has 5ade the New England States famous for their pumpkin pies. Fine-grained	10	20	50	1 50

RHUBARB OR PIE PLANT

Rulbarbo **Rhabarber** **Rhubarbe**

CULTURE—Rhubarb seed requires considerable care and is discriminating as to where it grows. A rich light sandy loam is its delight and seed planted in this type of soil, about ¾ inches deep in rows which are 12 inches apart, in the early spring say February will be ready to transplant in from 4 to 6 months time. When they are as large as one's finger transplant the roots to mellow soil as decribed above, in rows 5 feet apart and about 3 feet apart in the row. The roots should be set in ridges with the crown even with the urface of the soil. The ground should be kept well cultivated and irrigated the first season and stalks may be pulled early the next spring.

RHUBARB ROOTS, see page 16.

Germain RECOMMENDS

WAGNER'S GIANT SEEDLING RHUBARB

It is grown from the seed of the famous Giant Rhubarb. Our seed was secured from Mr. J. B. Wagner, the originator and most prominent Rhubarb expert in the world, and is the best that can be gotten. Wagner's Seedling will yield as high as 20 tons per acre, is a strong rapid grower, and very much more productive than the Crimson Winter. It comes on soon after planting, and unless the ground is frozen it keeps on growing constantly. The stems are twice as large as the Crimson Winter, are hardy in any climate, and will grow and yield handsome returns where the common Crimson variety will be a failure. It is unsurpassed either in flavor, texture, size, or hardiness. Germain strongly recommends this variety as the most profitable that can be grown, and is proving itself a tremendous money maker. Price, packet 10 cents, ounce $1.60, ¼ pound $5.00, pound $16.00.

We especially call your attention to the roots of Rhubarb, a description and prices of which will be found on page 20.

RADISHES

Note—Prices listed are postpaid.

Rabano **Radies** **Radis**

CULTURE—Sow any month of the year; will succeed in any good garden soil not over-moist or too heavy. For early and late crop a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square ft.

FRENCH BREAKFAST RADISH

Germain's Epicure Radish

You know the old saying, "What's in a name". Truly there's something in a name when you consider **Germain's Epicure Radish.** Nothing more epicurean has ever been offered than this select strain of scarlet, white-tipped Radish, which is one reason for its popularity among market gardeners. It is the quickest growing Radish we know of, maturing in eighteen days. Firm, very mild in flavor and never pithy, it is truly a joy to the planter in every sense.

Prices: Packet, **10c;** ounce, **20c;** ¼-pound, **70c;** pound, **$2.00.**

	Pkt	Oz.	¼lb	1 lb.
BLACK SPANISH WINTER, LONG. Grows to a large size, of oblong shape; quite solid	$ .10	$ .15	$ .50	$ 1.50
BLACK SPANISH WINTER, ROUND	.10	.15	.50	1.50
CALIFORNIA MAMMOTH WHITE. A winter sort introduced into California by the Chinese; eight to twelve inches long and two inches in diameter, flesh white, firm	.10	.15	.50	1.50
CHARTIER. A long, smooth radish, red above and shading to clear white at the tip	.10	.15	.50	1.50
CHINA ROSE WINTER. Medium size, oblong, of a bright rose color; one of the best varieties for winter use	.10	.15	.50	1.50
CRIMSON GIANT TURNIP. Twice as large as any other turnip shape variety; does not get hollow or pithy; flesh white, solid, crisp and mild flavor. Excellent for forcing in open ground	.10	.15	.50	1.50
EARLY LONG SCARLET SHORT TOP. Without exception the best long bright scarlet radish, very brittle and sweet, matures in twenty-five to thirty days	.10	.15	.50	1.50
EPICURE. See specialty page 21.	.10	.20	.70	2.00
FRENCH BREAKFAST. An early variety with good flavor and very pretty, being a light scarlet tipped with white. A favorite wherever known	.10	.15	.50	1.50
JAPANESE SUMMER RADISH. Introduced by Japanese in Southern California some years ago. Grows as long as twenty-four inches and three inches in diameter; very tender, mild and of excellent flavor	.10	.25	.85	2.50
LONG WHITE ICICLE. A very popular long white radish. Very sweet, crisp, and tender all through its growth and reaching a length of six inches	.10	.15	.50	1.50
MIXED RADISHES. Supply a nice assortment for the table	.10	.15	.50	1.50
SCARLET TURNIP. The little red turnip shaped radish every one asks for, crisp, tender and of fine flavor. Very quick growing	.10	.15	.50	1.50
SCARLET GLOBE. Very early; a little longer then round	.10	.15	.50	1.50
SCARLET, OLIVE-SHAPED. Oval; very early and handsome; flesh rose-colored, tender and brittle	.10	.15	.50	1.50
SCARLET TURNIP WHITE-TIPPED. Turnip shaped, attractive in color, being scarlet and white. It is very quick to mature, being ready for table in twenty days. Excellent flavor a great favorite with market or home gardeners	.10	.15	.50	1.50

SALSIFY OR VEGETABLE OYSTER

Note—Prices listed below are postpaid.

Salsifi Blanco **Haferwurzel** **Salsifis Blanc**

CULTURE—Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

	Pkt	Oz.	¼lb	1 lb.
SANDWICH ISLAND SALSIFY. An improved type and the largest and most delicious salsify in cultivation, with long, white tapering roots	$ .10	$ .25	$ .85	$2 50

SQUASHES

☛ **Note**—Prices listed are postpaid.

Calabasa **Kuerbiss** **Courge**

CULTURE—Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared the same as for pumpkins and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to three best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills.

ITALIAN OR ZUCCHINI SQUASH

SUMMER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
Germain **EARLY WHITE BUSH SCALLOPED.** An early variety, well-flavored, productive; excellent for market	10	$ 20	$ 45	$1 25
ITALIAN OR ZUCCHINI SQUASH is a bush variety and should be planted five feet apart. It should be used when quite young. When stewed it has a rich, creamy flavor not equalled by another squash. Some gardeners have made considerable money making a specialty of it. For the family garden we would recommend its use instead of the small white bush scallop, because of the excellent flavor and it is much more prolific. See Page 23....	10	25	85	2 50
LONG WHITE VEGETABLE MARROW. An English variety of delicious flavor	10	20	60	1 75
SUMMER CROOK-NECK. This is the richest summer squash; very early and productive	10	20	50	1 50

WINTER VARIETIES

	Pkt	Oz.	¼ lb	1 lb
BANANA SQUASH. Firm and solid flesh, good quality	10	20	65	$2 00
FORDHOOK. One of the best of the late summer varieties, and will keep till the following May if stored in a cool dry place. Thick skin of a bright yellow color, heavy meat that can be used at any stage of growth	10	20	60	1 75
Germain **HUBBARD.** Best winter variety, vigorous, productive. Fruit large, weighty, moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as luscious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it	10	20	50	1 50
RED OR GOLDEN HUBBARD. Similar to the Green Hubbard, except in color, which is a bright, deep orange. Flesh deep, golden yellow, fine grained, cooks dry, and is of excellent flavor....	10	20	65	2 00

HUBBARD SQUASH

SPINACH

☛ **Note**—Prices listed are postpaid.

Espinaca **Spinat** **Epinard**

CULTURE—An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row.

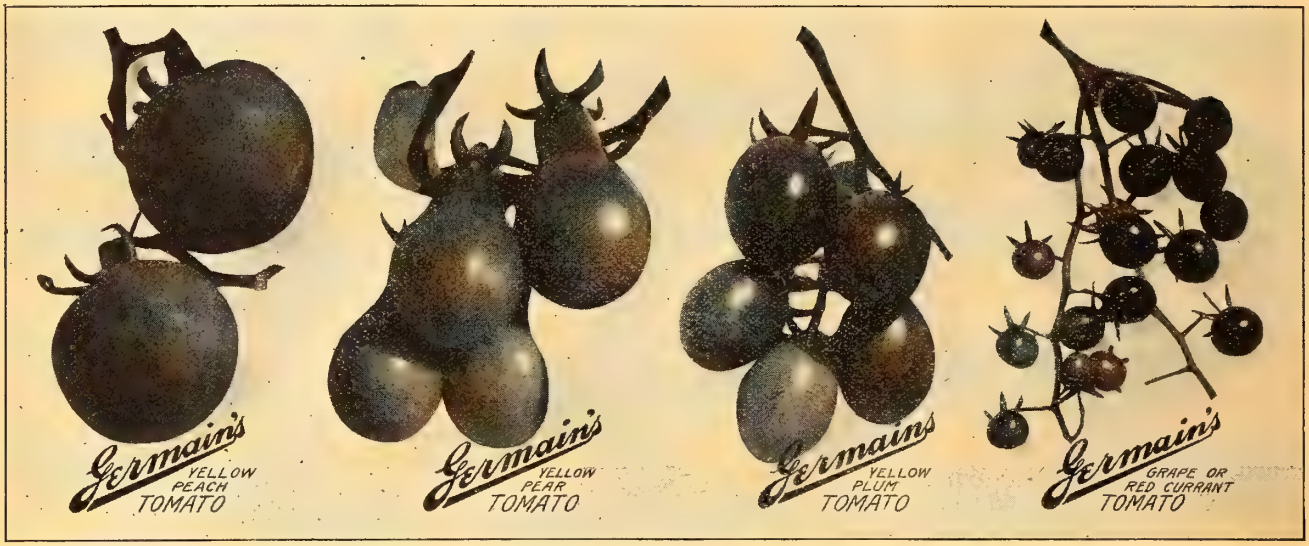
	Pkt	Oz.	¼ lb	1 lb
BLOOMSDALE, or SAVOY-LEAVED SPINACH. A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use	10	15	20	60
Germain **LONG STANDING.** Leaves large, thick and crimped with a fleshy appearance. Hardy and adapted to either fall or spring sowing. Slow to seed, hence the name	10	15	20	60
NEW ZEALAND. Abundant producer throughout the summer; transplant three feet apart each way	10	15	20	60
Germain **PRICKLY OR FALL, BROADLEAF.** A splendid fall or winter sort, also does well planted in the spring. Quick growing with large dark green leaves	10	15	20	60
VIROFLAY. A hardy variety, popular with both canner, shipper and consumer because of the large yield, large smooth leaves, tender quality and mild flavor	10	15	20	60

TOMATOES

☛ **Note**—Prices listed are postpaid.

Tomate **Liebesapfel** **Tomate**

CULTURE—Sow in hot bed or frame, about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired very rich soil should be selected and good cultivation given. **PLANTS, see page 20.**



GERMAIN'S FIRST EARLY TOMATO

The early tomato is the one that gets the big money, but earliness alone does not do it. Quality, including size, smoothness, firmness, flavor and coloring, are all considered; and tomatoes of this type find a ready market even when prices are highest.

Germain's First Early Tomato embodies all these requirements and has found a warm spot in the energetic and prosperous growers' heart. For home gardening it is equally as valuable, for it requires no more care than other varieties and comes into maturity earlier. Running strong to foliage, it affords the fruit more protection than any other variety. Hence it is as hardy a tomato as can be found.

Packet, 10 cents; ounce, 50 cents; ¼ pound, $1.75; pound, $5.00.

	Pkt	Oz.	¼ lb	1 lb
Germain **BEEFSTEAK.** This variety has been exceedingly popular with our customers and our sales have been enormous. It is one of the best, if not the best tomato grown. It is very prolific and its growth is a marvel. For the home garden it cannot be surpassed. Of a bright red color, with very firm, substantial meat and luscious flavor. We take pleasure in again presenting this favorite to our customers	10	70	2 35	7 00
Germain **CHALK'S EARLY JEWEL.** Nearly as early as Earliana. Fruits are large and of fine flavor	10	40	1 35	4 00
GERMAIN'S GLOBE. A very nearly round tomato of good quality. Vigorous and productive vines, large, purplish pink in color; an excellent shipper. Early maturing See page 26	10	75	2 50	7 50
Germain **GERMAIN'S WINTER QUEEN.** See page 26	10	50	1 65	5 00
Germain **GRAPE OR RED CURRANT.** A small red tomato about the size of a small grape. Useful for ornamental vine, for preserving, and for table decoration	10	40	1 35	4 00
Germain **GERMAIN'S NEW STONE.** See specialty page 26.	10	60	2 00	6 00
Germain **PONDEROSA.** Grows to enormous size, sometimes weighing from two to three pounds each; very smooth and solid.	10	70	2 35	7 00
SAN JOSE CANNER. A fine tomato used for canning purposes in the North, and we recommend it also for the same purpose locally. It is also a good Market Garden tomato to be planted for the main crop. It should be planted at the same time as the Stone variety	10	75	2 50	7 50
Germain **SPARK'S EARLIANA.** Early and prolific; very solid and noted as a good shipper	10	50	1 65	5 00
STRAWBERRY OR GROUND CHERRY. A distinct species; grows enclosed in a husk; excellent for preserves	10	75	2 50	7 50
YELLOW PEACH. Beautiful clear yellow color, for eating and preserving	10	75	2 50	7 50
YELLOW PLUM. Fruit plum-shaped, of clear, deep yellow color. Flesh yellow, used for preserving	10	75	2 50	7 50
YELLOW PEAR. A small early variety good for preserves	10	75	2 50	7 50

TURNIPS

Note—Prices listed are postpaid.

Nabo **Ruebe** **Navet**

CULTURE—Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use, sow the Golden Ball or Purple Top Strap Leaf. Success depends upon the selection of soil and its subsequent preparation. Stir deeply.

SNOWBALL TURNIP

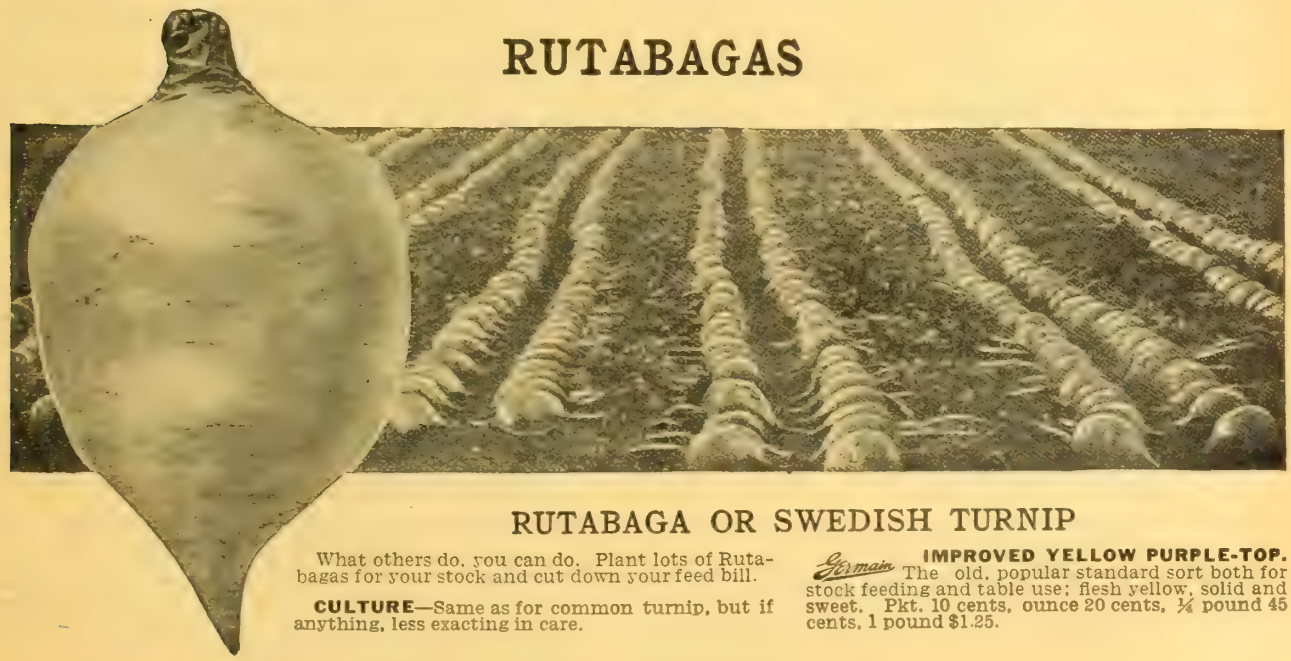
Germain **RECOMMENDS**

EXTRA EARLY PURPLETOP MILAN TURNIP

This choice variety is not only a beautiful and unusually delicious vegetable, but pleases the grower by maturing a week earlier than the earliest of other sorts. It is of medium size, flat and thick, with a smooth, bright purple top, snow white flesh, and little given to leaves. It accommodates itself to either spring or fall maturity, and is a delight to those who appreciate the food value and fine flavor of a good turnip. A heavy cropper, it deserves the greatest favor from the market gardener, and is surely a top notcher for the home garden. Pkt. 10 cents; ounce, 25 cents; one-fourth pound, 85 cents; one pound, $2.00.

	Pkt	Oz.	¼ lb	1 lb
COW HORN. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green manuring crop	10	$ 20	$ 40	$1 25
EARLY PURPLE-TOP MILAN. See Specialty above				
EARLY WHITE EGG. An egg-shaped variety for spring and fall sowing; flesh firm, fine-grained, mild and sweet	10	20	40	1 25
Germain **EARLY WHITE FLAT DUTCH.** White flesh, medium size, quick growth	10	20	40	1 25
Germain **RED TOP WHITE GLOBE.** One of the handsomest and most salable turnips. Equally good for home or market. It is a large, rapid growing sort, flesh pure white and the best flavor of any turnip grown. The skin is white with red top. We have taken great care with this stock, and offer it with confidence that our friends will be fully satisfied	10	20	40	1 25
GOLDEN BALL. Round, smooth English turnip of fine quality; yellow; good keeper	10	20	40	1 25
PURPLE-TOP STRAP-LEAF. Very productive, matures quickly; flesh white and sweet	10	20	40	1 25
Germain **EARLY SNOWBALL.** Some people may think that a turnip is a turnip, not realizing the great difference between the average stringy, pulpy vegetable and the sweet, mellow, crisp possibilities that have been achieved in the perfection of the Snowball. It was first introduced into this section by us several years ago, and our supply of seed this season is so unusually fine that we are strongly recommending it. Germain's Snowball will respond to any reasonable desire for early maturity; grows even in size and is most completely described by its name—pure white and round as a ball	10	20	40	1 25
WHITE GLOBE POMERANIAN. A large round turnip, very sweet flesh, similar to Red Top White Globe, but pure white in color	10	20	40	1 25

RUTABAGAS



RUTABAGA OR SWEDISH TURNIP

What others do, you can do. Plant lots of Rutabagas for your stock and cut down your feed bill.

CULTURE—Same as for common turnip, but if anything, less exacting in care.

Germain **IMPROVED YELLOW PURPLE-TOP.** The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Pkt. 10 cents, ounce 20 cents, ¼ pound 45 cents, 1 pound $1.25.

Grass Seeds for Golf Courses

Best for the Course

This Trademark on every bag

Scene at Hillcrest Country Club—recognized as one of California's finest. Course entirely seeded with Germain's PREMIUM Grass Seeds.

The greatest care must be taken to see that seed of the highest quality is sown on golf courses. The result of planting impure or poorly cleaned seeds will be that the cost of weeding the greens, tees and fairways will amount to a very large sum. Germain's "Premium Seeds" for golf courses have been cleaned to the maximum point of purity and all possible weed seeds have been eliminated—and as a result will produce the smooth, even and practically weedless turf that is the first essential of a successful course. Germain's "Premium" Seeds for golf courses are packed in sealed bags branded with the trademark appearing in the left hand corner of the above picture. Look for this brand and seal. It is your assurance of quality.

We are listing hereunder the principal varieties of grass seeds that we recommend for golf course purposes. We are not making recommendations of the mixtures that should be used as these vary greatly with conditions. We will be very glad however to have our representative call on any golf course, if desired, to make specific recommendations. Also we have not listed prices after the different varieties as the market conditions on grass seeds vary greatly during the year and govern the price. We endeavor to have our prices at all times as low as possible and consistent with the quality of seed offered. We will appreciate your submitting us a list of your requirements for quotations, or if desired, we will have our salesman call.

The amount of grass seed that should be planted for golf course purposes will run about ninety pounds for the small fine seeds to three hundred pounds for the larger seed, to the acre on fairways. For putting greens we recommend planting on the average about one pound to every one hundred and fifty square feet.

SEASIDE BENT—(Agrostis Maritima)—a fine bladed creeping grass grown in Coos County, Oregon—for putting green purposes.

SOUTH GERMAN MIXED BENT. This makes a thickly matted surface that is very desirable for putting greens.

RED TOP (Agrostis Alba). A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees. Also excellent for lawn purposes.

HARD FESCUE (Festuca Duriuscula). Produces stiff upright leaves. Usually used in mixture with other varieties for putting greens and tees.

RED FESCUE (Festuca Rubra). Grows well in dry sandy soils. Roots creep extensively. Often included in putting green mixtures and also used for lawn purposes.

CHEWINGS FESCUE (Festuca Species). Used extensively on putting greens, tees and fairways and does well on most any kind of soil. Also produces stiff, upright plant.

SHEEP FESCUE (Festuca Ovina). Used chiefly on tees and fairways and sometimes on bunkers. Produces stiff leaves.

VARIOUS LEAVED FESCUE (Festuca Heterophylla). Used on tees and sometimes on fairways but not to a very great extent. Is excellent for lawn purposes in shady places.

MEADOW FESCUE (Festuca Pratensis). Produces very broad leaves. Used on golf courses for the "rough" and sometimes on fairways.

KENTUCKY BLUE GRASS (Poa Pratensis). Produces narrow flat leaves of a very deep green color. Is used very extensively on fairways, greens and tees. This is probably the most important grass for both golf courses and lawns in California.

ROUGH STALKED MEADOW GRASS (Poa Trivialis). Used both for putting greens and fairways and makes an excellent turf. Also is very satisfactory for lawns in shaded places. Leaves are narrow and flat.

WOOD MEADOW GRASS (Poa Nemoralis). A very fine bladed grass, used in mixtures for shady spots.

AUSTRALIAN RYE GRASS (Lolium Perenne). Can be used for a quick growth on fairways or "rough". Will grow well on poor soil. Also used for lawn purposes.

PACEY'S (Pacific) RYE GRASS (Lolium Perenne) (Pacey). A smaller seeded and finer leaved plant than the Australian and used for the same purposes.

BERMUDA GRASS (Cynodon Dactylon). A broad leaved, creeping grass. Used to quite an extent for fairways, polo fields and athletic fields. Will stand a great deal of hard usage.

WHITE CLOVER (Trefolium Repens). Used extensively in fairways with Blue Grass. Also used to a great extent for lawn purposes.

BUR CLOVER (Medicago Arabica). Used to a great extent on fairways in California. A very hardy plant.

SEMESAN

Semesan is the new mercuric disinfectant for the prevention and cure of the brown patch on golf course grasses. Write for special booklet on this wonderful new preparation and see page 95 for prices. No golf course can afford to be without Semesan.

NUVIDA FERTILIZER

is admirably adapted for golf course purposes, containing all the elements in proper proportion for plant life. It is weedless, odorless, effective and economical. Write for special quantity prices and further information. See page 4.

BIG JIM CORN

Germain's Big Jim Corn has fulfilled our highest expectations. It has proven to be the greatest corn ever introduced in the Southwest. It has met with unanimous approval as is evidenced by the hundreds of testimonials that we are receiving—testimonials from men who have grown corn for years in the corn belt states. They say they have never seen anything to equal it. It has outyielded every other variety grown, some of the yields running as high as 100 bushels per acre. The ears of Big Jim Corn, usually borne two on each stalk, average from 10 to 14 inches in length and 8 inches in circumference. The kernels are a rich yellow and very large. The cob is proportionately small. The stalks attain an enormous height, bearing an abundance of large leaves.

For Ensilage

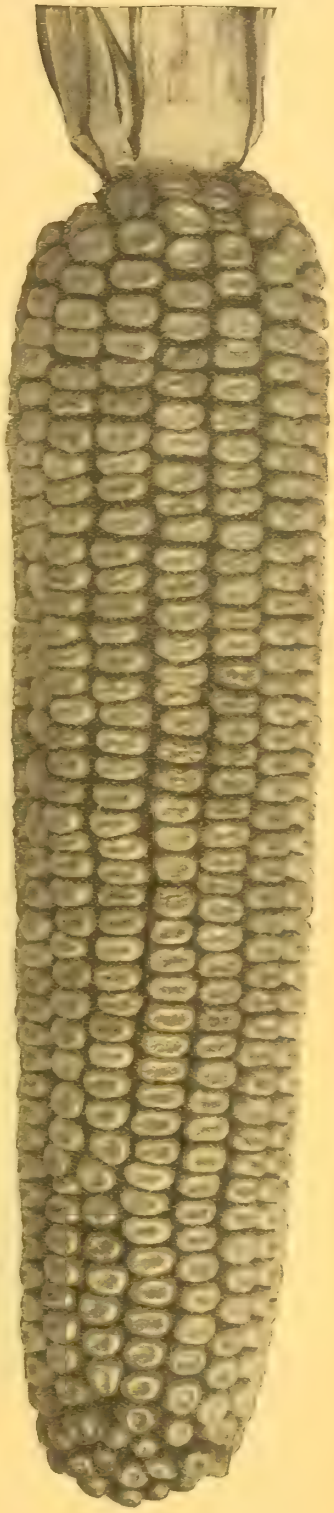
Big Jim Corn produces such an enormous growth of stalks and leaves that we are convinced that it is unsurpassed as an ensilage corn. It is not uncommon for Big Jim to produce from 35 to 40 tons of green corn per acre when sown thickly enough. Furthermore, the feeding value of this silage is greatly increased by the heavy yield of grain. Big Jim Corn for silage will insure the grower the greatest possible returns per acre.

Seed Selection

Special attention has been given to the improving of our Big Jim Corn. Only the best seed stock of this variety is planted, seed that came from perfect ears and high producing fields. The fields are given the most careful attention, they are regularly inspected by our corn experts, and the work carried out under their direction. The corn is carefully suckered, and any smutty stocks are quickly eliminated. The perfect ears, selected for seed, are dried on the cob, after which they are butted and tipped and shelled. The shelled corn is then carefully hand picked and put up in sacks for delivery. Every sack of Germain's Big Jim Corn, whether purchased direct from us or through one of our dealers, will have a red certificate of quality attached. None is genuine without this tag. While this work is somewhat expensive, adding slightly to the cost of the seed, the increased yield resulting more than offsets the increased cost.

1 lb., postpaid.....$ .30 10 lbs., postpaid $2.50

Write for prices in larger quantities



BIG JIM CORN

CORN

WRITE US FOR QUANTITY PRICES ON FIELD SEEDS. ALL PRICES MENTIONED ON THIS PAGE ARE POSTPAID

NOTE—Prices up to and including ten lb. lots include postage or expressage prepaid. When sent otherwise, deduct 10 cents per lb. or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside front cover page. **If quantities are desired, do not fail to write for samples and special prices, as all field seeds are subject to market fluctuations.**

SILOS, SILAGE AND ENSILAGE CORN

EUREKA ENSILAGE

Eureka Ensilage corn is without a doubt the heaviest yielding ensilage corn adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stocks bearing one to three ears to the stock, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo furnishes a feed that is very succulent and of the highest feeding value and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage corn for this season is of exceptionally fine quality and selected for size uniformity for both ear and kernel.

Price per pound 25 cents, 10 pounds $2.00, postpaid. Write for quantity prices.

ORANGE COUNTY PROLIFIC

Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes. We consider it next on the list following Eureka ensilage corn. What we have said regarding the selection of our seed stock for Eureka corn also applies to this variety.

Price per pound 25 cents, 10 pounds $2.00, postpaid. Write for quantity prices.

CORN—FIELD

HICKORY KING, White. This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn; 1 pound 25 cents, 10 pounds $2.00.

IMPROVED LEAMING CORN, Yellow. 1 pound 25 cents, 10 pounds $2.00.

KING PHILIP, Yellow. This is a hard yellow flint corn and is generally referred to as ninety-day corn. It is drought resisting and will give a fair yield where most corns are a failure. 1 pound 25 cents, 10 pounds $2.00.

MEXICAN JUNE CORN, White. Very early and hardy, stalks grow to an average height of 7 or 8 feet and produces 30 to 60 bushels of corn per acre. This corn is also used for roasting purposes in many sections of California. 1 pound 25 cents, 10 pounds $2.00.

CORN—POP See Page 34

Semesan should be used to disinfect seed corn before planting, to destroy such disease germs and fungus spores as adhere to their surface coat or in some cases exist internally. Semesan possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. **See Page 95.**

SUDAN GRASS

THE WONDER CROP

Sudan Grass is the most drouth resisting annual ever introduced. In 1915, when it first came into notice, we sold seed on the basis of $2.50 per pound. Since then its popularity has increased regularly and it has now come to stay. It grows in a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled and we might say unequaled, for it will succeed where others fail.

Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall.

SUDAN GRASS

The price is: ½ lb. at **15c,** postpaid; 1 lb. at **25c,** postpaid; 10 lbs. at **$2.00,** postpaid.

GERMAIN'S FANCY DWARF MILO MAIZE

HAND SELECTED

Germain's select strain Fancy Dwarf Milo is an tirely different type, grow to a uniform height of 4½ 5 feet, its stocks being a n of leaves over - lapping e other and under average ditions yiel from 2 to tons of thres grain per ac

It is dro resisting, a orous produ easy to har and it is finest grain know.

Plant pounds per in rows 3 apart and p six to twe inches apart row. Plan should be c in the spring ter all dange frost is past when the gro is warm.

Prices: **25c** per lb., postpaid; 10 lbs., **$2** postpaid; 100 lbs., **$7.00,** f.o.b. Los Angeles.

WRITE FOR QUOTATIONS IN LARGER QUANTITIES

CLOVER SEEDS

Inoculate this Seed with FARMOGERM

(QUANTITY PRICES AND SAMPLES ON REQUEST)

HUBAM CLOVER

We have obtained a very limited supply of this new Annua ite Blossom Sweet Clover. We believe the discovery of this plant o be a great factor in the improvement of our soils. It was dis- ered in 1916 by H. D. Hughes of the Iowa State College and since t time has made wonderfu lstrides. We are as yet not prepared say that it will supplant other forage and cover crops used in lifornia. But we do feel that the discovery is important enough warrant experimental work being done in this section. Hubam a very heavy yielder, very drought resistant, and furnishes a d quality crop for hay or cover crop pu poses.

Three pounds of seed will plant an acre of land and give max- um returns. In 1916 at the Iowa Experiment Station, Hubam de the remarkable growth of 4½ feet in 3½ months from seed- , while in 1920 the clover grew 9 feet in the same period. Its ught resistant qualities are remarkable. In one instance, hout irrigation and with less than one inch of rainfall after ding, it grew to a height of 7 feet. Hubam is a very heavy seed lder also, producing as high as ten bushels per acre.

Price per pound, .60c; 10 lb. lots $5.00, Postpaid.

MELILOTUS ALBA

Melilotus Alba Clover has for the past few years been recognized as one of the leading summer cover crops, especially in orange and lemon groves, but today hundreds of tons of Melilotus Alba Clover Seed are being sown in California as a general soil renovator. The large Beet Sugar Companies of the State are using it to reclaim their alkali soils so as to put the land in shape for further plantings of sugar beets. Melilotus Alba White Blossom Sweet Clover is a biennial and therefore lives only two years. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for the bees and the plant itself furnishes excellent pasturage for all kinds of live stock. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water, in fact in some of the foothill sections of California the plant grows wild, reseeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the Fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed can be sown with a nurse crop of grain or alone. The seeds should be covered very lightly in a well prepared seed bed for best results.

Prices: Per lb., 35c; 10-lb. lots, $3.00, postpaid. Write for prices in larger quantities.

INCREASE YOUR TONNAGE. Expense, time and labor is the same whether your crop be large or small. At a cost of only 00 per acre you can get a fifty per cent. larger tonnage (in clover crops) by inoculating your seed, which we strongly advise. r particulars, see page 96.

ALSIKE (Trifolium hybridum). Very hardy, resisting cold d drought and is also will adapted for sowing on cold wet land. yields a large amount of hay or pasture and makes a good bee nt; 60 cents per pound, 10 lbs. $5.00, postpaid.

BUR CLOVER. Strongly resembling alfalfa. It is a great rogen-gatherer. Orchardists regard it with great favor as a en fertilizer, thriving in shady places where peas fail. Hulled, id seed, free from burr. Fifteen pounds per acre. Per lb. cents, 10 lbs. $4.50.

JAPANESE (Lespedeza striata). Makes a fine pasture plant for barren land, where it will grow eighteen inches high; on good soil it grows thirty inches. Stock of all kinds relish it. 70 cents per pound, 10 pounds $6.50, postpaid.

MAMMOTH RED, OR COW GRASS (Trifolium pratense perenne). Very vigorous grower. 60 cents per pound, 10 pounds $5.00 postpaid.

MELILOTUS INDICA (Sweet Clover). See page 57.

RED CLOVER (Trifolium pratense). Should be in all pasture mixtures; per lb. 60 cents, 10 lbs. $5.00, postpaid.

WHITE CLOVER (Trifolium repens). See page 4. Pound 80 cents, 10 pounds $7.50, postpaid.

SORGHUMS, SACCHARINES AND NON-SACCHARINES

WRITE US FOR QUANTITY PRICES AND SAMPLES OF FIELD SEEDS

EARLY AMBER. Furnishes a large yield of most nutritive age, which can be fed either green or cured and will yield two or ree cuttings a year, stooling out thicker each time it is cut. It ws ten to twelve feet high. Sow broadcast for forage at the rate 60 pounds per acre. When sown in drills, sow at the rate of 10 unds per acre in drills three and a half to four feet apart. Per und 25 cents, 10 pounds $2.00, postpaid.

HONEY SORGHUM is the prize variety without a doubt. e have seen it growing in Imperial Valley, San Diego County, n Joaquin Valley, and in the vicinity of Los Angeles. All wers every year are loud in its praise.

HONEY SORGHUM is a selection from one of the earliest roductions, and has been regarded with special favor for ensilage d for syrup purposes. It is the best variety for silage purposes. nder leafy stalks, varying in height from eight to twelve feet. is medium, late maturing and has decidedly tender stalks, and is portant from a forage standpoint.

Imagine an average of twenty-seven tons or over per acre.

The method of seeding will be determined largely by the purpose which they are grown. When the crop is to be used for fodder silage, it is usually planted in rows 3 to 3 feet apart, using up to ounds of seed per acre.

Price per lb. 25c, 10-lb. lots $2.00, postpaid. Write for special ices in larger quantities.

ORANGE SORGHUM. In habit of growth it is very similar to rly Amber Sorghum, but does not stool quite so closely nor does grow quite so thickly. Per pound 25 cents, 10 lbs. $2.00, postpaid.

SILVER TIP. Some manufacturers of Sorghum syrup prefer is variety to others for this purpose. On account of the fact that is later in maturing than other varieties it is only possible to use e first cutting for syrup. However, succeeding cuttings can be ed for pasturage or ensilage. Per lb. 25c, 10 lbs. $2.00, postpaid.

DWARF MILO MAIZE. See page 54.

EGYPTIAN CORN. This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. The picture at the top of this page is that of 100 acres of Egyptian Corn from which our seed was selected this season. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Per pound 25 cents, 10 pounds $2.00, postpaid.

FETERITA. This sorghum was secured from Sudan, where it is commonly grown under the name Feterita, an early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drouth resistance it compares favorably with any sorghum yet introduced. Sow 8 pounds to the acre. Pound 25 cents, 10 pounds $2.00, postpaid.

KAFFIR, WHITE. Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drouth sections and breaks up new ground for other crops. Cattle relish the stalks, while the grain is a very valuable food for poultry. Pound 25 cents, 10 pounds $2.00, postpaid.

HEGARI. This is one of the most recent introductions. Some experiments have been made on this crop in Arizona and it is claimed that it is a little sweeter than Kaffir Corn or Feterita. The seed is round and white and does not shatter very readily. The heads grow very erect. It is drought resisting and stands some alkali. Per pound 25 cents, 10 pounds $2.00, postpaid

SUDAN GRASS. See page 54.

GERMAIN'S GOLDEN WEST BRAND HAIRY PERUVIAN ALFALFA

Sold only in sealed bags bearing this trade mark

This wonderful variety of alfalfa has taken the place of all other varieties in the States of California, Arizona, Nevada, Oregon and Washington. It is the plant that has created a big sensation among alfalfa growers. **Germain's Golden West Brand Hairy Peruvian Alfalfa** is the hardiest type ever introduced here successfully and has the longest producing season. It produces a greater abundance of leaves than any other variety, thus creating the highest feeding value. Results obtained by practical ranchers show an average increase of 2½ tons of hay per acre per season over common varieties. After each cutting it recovers very quickly, giving additional cuttings per season over other varieties. We successfully introduced this seed in this section—and we stand solidly back of it. All our seed is sold in sealed and labeled bags with the name Germain's Golden West Brand Hairy Peruvian Alfalfa—and in order to insure perfect results we advise you to buy only the proven Germain variety.

Prices, per lb., 40c; 10 lbs., $3.50, postpaid. Write for quantity prices.

A Field of Our Hairy Peruvian Alfalfa

SMOOTH PERUVIAN ALFALFA

This variety of alfalfa is next to Hairy Peruvian in production and quality. Our stock of this seed is also especially selected recleaned and of the highest quality. Per lb., 40c; 10 lb. lots, $3.50 postpaid. **Write for quantity prices.**

GERMAIN'S PREMIUM BRAND CHILIAN (COMMON) ALFALFA

This is the old type of Alfalfa seed used extensively before the introduction of the Hairy Peruvian. It is a long lived type of alfalfa seed and produces a very fine grade of hay. Germain's "Premium Brand" Chilian Alfalfa seed is thoroughly recleaned over special types of machinery so that practically all weed seeds, dirt and foreign matter are eliminated. Seed packed under this brand also is harvested only from fields that have undergone a rigid inspection for trueness to type and freedom from weeds. To prevent any possibility of misrepresentation Germain's Premium Brand Chilian Alfalfa seed is packed in sealed bags branded with the trademark at the right.

Prices per pound, 40c; 10 pounds, $3.50, postpaid. Write for quantity prices.

Use Farmogerm [56] for Alfalfa. (See Page 96)

COVER CROP OR SOIL RENOVATORS

WRITE FOR QUANTITY PRICES

Note.—Prices on half pound and up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fractionthereof. Prices listed for larger quantities, if desired, sent by Parcel Post, necessary postage should be added. See our Parcel Post schedule on inside front cover page.

CANADIAN PEAS

This small round smooth yellow Pea is generally grown for cover crop purposes in this section. Per lb 25 cents, 10 lbs. $2.00.

WHIPPORWILL COW PEAS

Cow Peas are becoming more popular as the years come around. We predicted sometime ago that California would become a great user of Cow Peas and the time is now coming for this prediction to come true. The planting of Cow Peas for a Summer or early Spring cover crop is going to become more popular every year, and this variety is the best adapted for that purpose. The vines are large and spreading and if planted correctly will cover the entire ground of the orchard, which is so much desired by the orchardists.

This variety is especially recommended for its quick growing habits and therefore, is an ideal variety as a cover crop to counteract the June drought. Per pound 25 cents, 10 lbs. $2.00.

MAMMOTH YELLOW SOY BEANS

This is another variety of early Spring or Summer cover crop seed which is also quite popular. They do not cover the ground as well as the Whipporwill Cow Peas. However, as a nitrogen gathering plant they are hard to surpass and we strongly recommend them if you desire to obtain nitrogen for your soil. For years the Soy Beans used in California have been imported from Japan and has been inferior seed. We are offering this year the Mammoth Yellow Soy Bean which is far superior to all other varieties and will run true. 25 cents per pound, 10 lbs. $2.00.

BLACKEYE BEANS (See page 58)

BRABHAM COW PEAS

A Crowder variety of Cow Pea, the culture and habits being very similar to the Whipporwill variety. It has the advantage over the Whipporwill in that it is nematode resistant. This is one of the very few legumes that is nematode resistant and will become more popular for spring and summer plantings.

SMALL WINDSOR
(New Zealand Horse Bean)

Analagous to the Broad Windsor variety, only smaller in size, but will yield the same amount of foliage. Pound 25 cents, 10 lbs. $2.00.

RYE (See page 59)

BARLEY (See page 59)

VETCH (Spring)

This is the variety used by the Orchardists in Southern California as a cover crop, and large quantities are handled by us. The name "Spring" as applied to this sort is misleading, for it should be planted in the Fall to obtain the best results. The best time to plant is from the first of August to the first of January. Per lb. 25 cents, 10 lbs. $2.00.

MELILOTUS INDICA

The most popular Cover Crop in Southern California. We handle hundreds of tons of it, and due to our new facilities for recleaning and scarifying this seed we are enabled to offer a quality of seed that is far superior to that which is ordinarily sold through out the country. We have tested out hundreds of samples, this year of different lots that have been sold in this section. One cannot tell by the appearance of this seed as to whether or not it is of good germination. The seed may look extra fancy and still may be of poor germination. We have made a study of this seed and find that by putting it though a certain machine, that we can raise the germination twenty to twenty-five percent on the ordinary seed that is sold on the market. We have prided ourselves on the quality of this seed and this year none of our seed showed a lower germination than ninety percent, and a purity test of ninety-nine and one-half percent. Per pound 20 cents; 10 lbs. $1.50.

HORSE BEANS

This is the Broad Windsor Bean which is being used as a cover crop and is becoming quite popular in this section. The seed is about an inch to an inch and a half long, and about half as wide. They are flat in appearance. Per pound 25 cents, 10 lbs. $2.00.

PURPLE VETCH

Since the introduction of this super cover-crop nearly five years ago, the supply of seed has never been sufficient to warrant its introduction to the ranchers. We would advice that all interested in this wonderful cover-crop place their orders at once for future delivery. It makes the heaviest growth of any leguminous cover-crop known, and contains more pounds of nitrogen per ton of green manure than any other cover-crop. It makes the quickest growth of any cover crop and can be planted later than any other cover crop. **Purple Vetch will practically do as much good in one year as any other crop can in two years.** Price per lb. 25 cents, 10 lbs. $2.00.

GRASSES

The following varieties of Grass Seeds are those used in this section of the country. However, there are, from time to time various new varieties, and also there is a desire by many of our customers to try out new sorts. If you do not find listed herein the variety you are especially interested in and you desire information concerning some unlisted varieties, write us, and we will be glad to give you what information we have on it, and if you desire the seed, we will obtain it for you. We have experts with us who understand Grass Seeds and we are, therefore in a position to advise with you.

BERMUDA GRASS (Cynodon Dactylon). Suitable only for climates where the winters are not below the freezing point. It stands the hottest and driest season. Sow six pounds per acre. Pound 50 cents, 10 lbs. $4.50.

KENTUCKY BLUE GRASS (Poa Pratensis). One of the best grasses for permanent pasture, furnishing a constant supply of the most nutritious feed during the greater part of the year. Sow 28 pounds per acre. For prices, see page 4.

CRESTED DOGS TAIL (Cynosurus Cristatus). A perennial grass with short, narrow leaves; valuable for lawns or pastures on dry, light land. Pound 75 cents.

CREEPING BENT GRASS (Agrostis Stolonifera). Well adapted for sandy pastures near the coast, and good for pasture on low lands. If sown alone, use 25 pounds per acre. Excellent for lawns. Use 12 to 15 pounds per 50-foot. Pound $2.00

ITALIAN RYE (Lolium Italicum). A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Sow 40 pounds per acre. Pound 35 cents, 10 lbs. $3.00.

AUSTRALIAN RYE GRASS (Lolium Perenne). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Forty pounds per acre.

For Lawns this is used and recommended by many gardeners If sown thickly it makes a fine lawn, and for large grounds and parks it is very successful. Pound 35 cents, 10 pounds $3.00, postpaid.

PACIFIC RYE GRASS. Used for lawn mixtures, also valuable as a green forage plant for growing on lands not easily cultivated. Per pound 40 cents, 10 lbs. $3.50.

RED TOP (Agrostis Vulgaris). A good perennial grass. Generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 pounds hulled. Pound 50 cents, 10 lbs. $4.50.

CHEWING FESCUE A most valuable grass for golf courses. Commonly used with clover and Red Top for pasture. Pound 60c; 10 pounds $5.50 Postpaid.

FESCUE RED (Festuca Rubra). Forms a close rich sod, thrives well in dry, sandy and acid soils. Roots creep extensively. Valuable in lawns and should be included in putting green mixtures. Pound 60 cents.

MEADOW FESCUE. A valuable species for permanent grass lands; relished by live stock both in hay and pasture. Per pound 50 cents, 10 lbs. $4.50.

ORCHARD GRASS or COCKSFOOT (Dactylis glomerata). Valuable alone or mixed with other grasses. Very often mixed with white clover, red clover, and rye grass. Per lb. 50 cents, 10 lbs. $4.50.

VARIOUS LEAVED FESCUE (Festuca Heterophylla). Grows 2 to 3 feet high, valuable for permanent meadows, either for mowing or grazing. It is especially valuable as a lawn grass for shady places. Pound 75 cents.

RHODES GRASS. An Australian grass which grows readily on sandy or light soils. Grows thickly producing from 5 to 10 tons of fine quality hay. It is uery palatable to stock, easy eradicated when desired and very highly recommended by farmers who have grown it. 1 lb. 75 cents, 10 lbs. $6.50.

RHODE ISLAND BENT (Agrostis Canina). Resembles Red Top. Makes a close sod valuable for permanent pastures and meadows. Twenty-eight; pounds per acre. For lawns, use 12 to 15 pounds per 50-foot lot. Gives good results. Pound $2.00.

SWEET VERNAL (Anthoxanthum Odoratum). Valuable to put in pasture mixtures and lawn grass on account of its earliness Twenty-eight pounds per acre, but this grass is recommended only for use in mixture. Pound 85 cents.

TIMOTHY (Phleum Pratense). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Pound 30 cents, 10 lbs. $2.50.

WOOD MEADOW GRASS (Poa Nemoralis). As a lawn grass its creeping roots soon form a good turf. Of early growth and thriving well under trees where other grasses will not grow, most valuable lawn mixture, especially for shady places. Pound $1.50.

AWNLESS BROME GRASS. (Bromus Inermis) withstands drought that kills other grasses. Unexcelled under such condition. Price, pound 60 cents, 10 lbs. $5.50.

FIELD BEANS AND PEAS

WRITE FOR PRICES

We have itemized on this page, by cuts and descriptions, the most popular beans raised in districts west of the Rocky Mountains. Owing to the fact that most of these beans are planted in quantities, we have not stated any prices, as they are subject to fluctuation due to the influence of season and of conditions in the commercial market. You can always depend upon our field beans being of selected, true-type varieties; and we are in position to furnish any quantity when the season will permit us to lay in large stocks.

GARBANZA OR CHICK PEA. Grown very extensively in California, preferably in the drier sections. It stands almost as much cold weather as horse beans or cowpeas, and can be planted as late as June, which makes it practically an all year round crop. The majority of the crop is exported to Spain for edible purposes.

RED MEXICAN. Grows like the Mexican Pink bean, but is a much heavier yielder under extreme heat, and for that reason is gradually replacing the pink variety.

SMALL WHITE BEAN (NAVY). This is grown extensively on truck soils. It is especially adapted to coastal valleys as the intense heat of the interior valleys is somewhat detrimental to its growth.

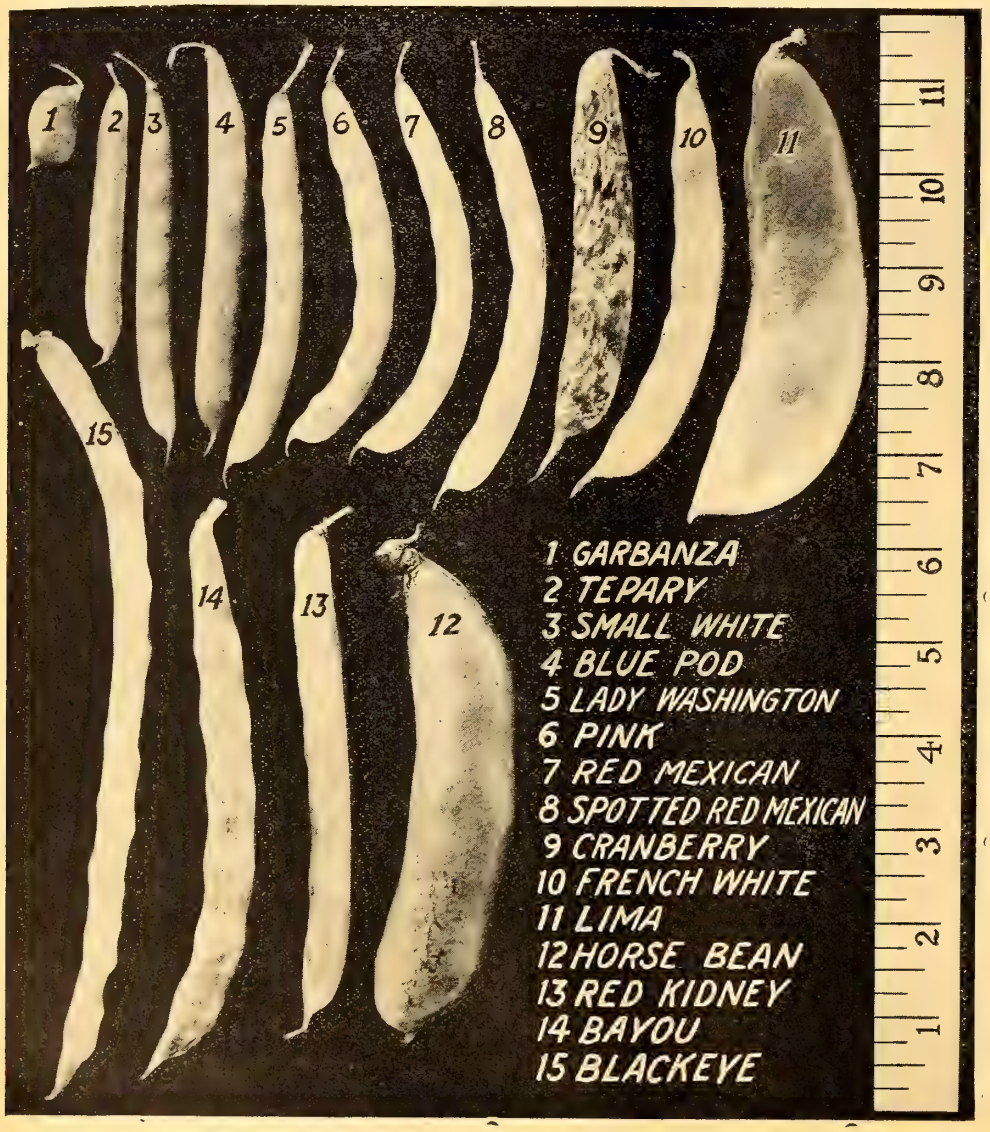
LADY WASHINGTON. Commonly known as Large White bean. It might be known as an all round bean, especially adapted to bottom lands, and where moisture is easily obtained. It is also freer from attacks of mildew than the other common varities of beans.

PINK BEAN. Very common variety. Will grow almost anywhere, provided it has plenty of moisture. It is more particularly adapted to bottom lands. Will also withstand very hot weather, and ripens early in the season.

SPOTTED RED MEXICAN OR PINTO. (With the exception that the spots are red instead of brown, as in the Colorado and New Mexico Pinto bean). It is grown very extensively in California and Arizona.

CRANBERRY. Will grow under almost every condition that the pink bean will stand. Is raised more extensively on river bottom land. Hot, moist climate.

FRENCH WHITE. Resembles very closely the Lady Washington, but does not produce a trailing vine, and has a much larger bush. Also ripens earlier in the season than the ordinary small white bean. It is gaining favor each year.



LEWISMA. Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all land which is subject to heavy fogs, such as the Coast district.

BROAD WINDSOR (HORSE BEANS). A hardy winter crop, planted from October up to February and March, so that the harvest can not take place before the hot Summer months. Used extensively as a green manure cover crop in orchards. See cut.

SMALL WINDSOR (NEW ZELAND HORSE BEAN). Analagous to the Broad Windsor variety, only smaller in size, but will yield the same amount of foliage.

RED KIDNEY. Becoming very popular in the lower moist sections. Can be planted very early as it is a bush variety. The pods all grow so that they do not touch the ground, and therefore suffer a minimum of discoloration due to contact with the ground moisture. At harvest the leaves fall off, leaving the bean-pod exposed to the sun therefore curing very rapidly. May be planted in 18 to 24 inch rows and cultivated by hand. Splendid for table purposes; also becoming very extensively known commercially.

BAYOU. Rather difficult to raise except on river bottom land, and cannot be successfully forced by irrigation. Rather difficult to get to set properly, as it is somewhat susceptible to red spider pest.

BLACKEYE (COWPEA.) A dry land bean adapted to early planting in hot, dry districts. Matures too late on irrigated soil to be of advantage; also with excessive moisture it puts forth long runners which are very detrimental to quick harvesting. Very susceptible to cold weather, as the pods fail to set properly, and the plants are dwarfed. Grows splendidly on semi-alkali soil.

HENDERSON'S BUSH LIMA. This variety is commonly known as the Baby Lima, being very small; but is a particularly fancy bean for table use. Is very much in demand by the large hotels. It is unlike the large Lima bean in growth, as it can be raised on the interior dry sections and does not require the fog for moisture, as the large Lewis Field Lima variety.

ROOT CROPS

ALL PRICES ON THIS PAGE ARE POSTPAID **WRITE FOR QUANTITY PRICES**

STOCK BEETS

Stock Beets are one of the finest fat and milk-producing crops we have today and when fed in conjunction with grain they are worth nearly as much, pound for pound, as the grain itself. This statement may seem a little strong, but experience has shown that Stock Beets aid digestion and assimilation by keeping the animals in extra good condition. By feeding the same in conjunction with grains it increases the feeding value of the grains.

CULTURE

Stock Beet seed should be sown about one-inch deep, in well-cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre. Beet seed is very hard and does not germinate as easily as other seeds, therefore, the soil should be very moist at the time the seed is planted. If the soil should be dry it is advisable to soak the seed in luke-warm water for twenty-four hours before planting.

VARIETIES

Germain's Prize Mammoth Long Red

There is no other root crop grown which produces so large a tonnage per acre as the Germain's Prize Mammoth Long Red Beet. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for our own trade from selected well-shaped roots.

This Beet has a distinct appearance; roots are massive, straight and uniform in size, broad shouldered, free from coarseness and of most excellent feeding and keeping qualities. Pgckets 10c, 1 lb. 60c, 10-lb. lots $5.50, postpaid.

Giant Half Sugar Mange

This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel. It is a cross between a sugar beet and a regular mangel wurzel, therefore its name. It is also a splendid yielder and good keeper. Packet 10c, 1-lb. 60c., 10-lb lots $5.50, postpaid.

Golden Tankard

This is also a very popular variety. The roots are large, ovoid, but filled out at top and bottom, terminating with a small tap root; flesh deep golden yellow, solid, crisp, sweet and rich. Does not keep quite as well as the two above mentioned varieties. Packet 10c, 1-lb. 60c, 10-lb. lots $5.50, postpaid.

Sludstrup

While this Beet is one of the favorites in Europe, its popularity in America is not to be compared with the Mammoth Long Red. The roots are very solid, large at the top and gradually tapering to a point. The part of the root growing above the ground has a greenish tinge, while the part growing in the ground is white. Packet 10c, 1-lb 60c, 10-lb. lots $5.50, postpaid.

SUGAR BEETS

This is a variety that can be planted for stock food purposes. The tonnage per acre will not be as great as above mentioned varieties, but the sugar content will be much higher. Packet 10c, 1-lb. 60c, 10-lb. lots $5.50, postpaid.

STOCK CARROTS

It is a well known fact that Carrots are mighty good farm food and analyses made by a National Chemist showed the Carrot content as follows:

Albuminous Compounds	.7
Fat	.2
Pectine	1.2
Cellular Fiber	3.5
Sugar	6.5
Ash	.9
Water	87.0

For description and prices of the varieties we refer you to page 32. The varieties we recommend are White Belgian and Yellow Belgian.

ARTICHOKES (JERUSALEM)

See page 60.

GRAINS

WRITE FOR QUANTITY PRICES

To rid your grain crops of smut and rust, we recommend dipping your seed in a weak solution of "Blue Stone." The dilution is one pound of Bluestone to five gallons of water. Soak the seed for ten minutes. The same solution can be used over and over again.

BARLEY

Sow 65 to 100 lbs. to the acre

BEARDLESS. We have a perfect strain of this variety, produced from a single head of superlative type. The present crop is the sixth successive re-production from the original planting from the selected head, and is now producing perfectly without a single head of bearded type.

COMMON. This seed is selected from good, average-weight grain, free from foreign grain and weed seeds.

MARIOUT. This variety of barley is one that has been introduced by the University of California after experiments conducted at their experiment station. It yields more prolifically than any other variety which has ever been tried on California soils. It is sown the same as other barleys.

OATS

RED RUST-PROOF, Texas grown. This seed is from selected Texas stock, thoroughly recleaned, giving you a higher percentage of plump oats than you can ordinarily buy from the mills. It is all graded according to the State standards of Texas, and we are so situated that we obtain the best seed which that great State is able to produce.

RED RUST-PROOF, California grown. These are the Texas oats after they have been grown in California, thoroughly acclimated, somewhat lighter in color than the Texas-grown, but in every way satisfactory for re-planting in California.

BUCKWHEAT

JAPANESE. The most prolific variety with large grains, brown to dark brown in color. Sow after danger of frost is over either in drill or broadcast. The plant ripens early and stands well in the field. Price per pound 25 cents, 10 lbs. $2.00.

RYE

COMMON OR WINTER. Our seed is obtained from Utah fields, as this produces better in California than that which has been grown here, and yields larger kernels. It is used extensively for cover crop purposes.

WHEAT

It is not good practice to grow many different varieties and we have therefore selected only those most successfully grown in this section.

DEFIANCE. A rust-proof variety, a heavy yielder, hard and splendid for milling purposes; large heads, plump kernels.

SONORA. A popular beardless variety in California, especially in the southern counties; matures early and yields heavily; will stand more drought than most; soft; suitable for blending in the manufacture of flour.

TURKEY RED. A hard red wheat, very high in gluten, valued for milling purposes.

EARLY BAART. This is a bearded variety of spring wheat, large white grain, of exceptional miling quality; will average two or three weeks ahead of ordinary sorts of white wheat; and produces a larger crop. Was planted extensively last season, and is continually increasing in popularity.

Semesan should be used to disinfect seed grain before planting to destroy such disease germs and fungus spores as adhere to their surface coat or in some cases exist internally. Semesan possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See Page 95.

MISCELLANEOUS FARM SEEDS

(QUANTITY PRICES AND SAMPLES ON REQUEST)

Note.—Prices on half pound and up to and including ten pound quantities include postage or express prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities, desired sent by Parcel Post, necessary postage should be added. See Parcel Post Schedule on inside front cover page.

ALFILARIA

ALFILARIA (Erodium cicutarium). One of the most nutritious of plants; cattle, sheep, horses and hogs alike prefer it to any other natural product of the plains. Sow twenty pounds to the acre. Pound $1.00, 10 lbs. $9.00.

ARTICHOKE

ARTICHOKE, JERUSALEM (roots). The greatest hog food known, yielding over one thousand bushels to the acre. It can be grown without a great deal of cultivation and no harvesting is necessary. When the roots are full-grown, turn the hogs into the field and they will help themselves by rooting. We can supply the tubers from November until May Per pound 25 cents.

BROOM CORN

STERLING DWARF. Per pound 25 cents, 10 lbs. $2.00.

STANDARD TALL. Per pound 25 cents, 10 lbs. $2.00.

COTTON

CULTIVATION—Prepare the land by having it thoroughly ploughed. Lay off into rows about four feet apart; sow the seed along the center in a straight furrow made with a small plough or opener. It can also be sown in holes twelve to eighteen inches apart. Sow in March. The young shoot appears above ground in about ten days, and is subsequently weeded and thinned. Blooming takes place about the beginning of June. As a general rule cotton is a dry weather plant. For ploughing, the planter requires just sufficient moisture to give the soil a spongy texture. Give plenty of water in the earl stages—but too much is productive of wood, at the expense of wool, and a severe drought will produce a stunted plant. From the blooming to the picking season, warm dry weather is essential.

DURANGO; 10 cents per ounce. 50 cents per pound.

EGYPTIAN. Originated in Egypt; erect and larger size than other cottons, producing an abundance of cotton; 10 cents per ounce, 50 cents per pound.

FLAX

FLAX. When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per pound 30 cents, 10 lbs. $2.50.

MILLET

LIBERTY OR GOLDEN (Formerly German). Few other grasses or forage plants have been able to produce the enormous yield of this plant; it has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July leaves the ground in excellent condition for following crops. Pound 25 cents, 10 pounds $2.00, postpaid.

PROSO MILLET (Hog Millet or Broom Corn Millet). Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for hog food. The culture is the same as for the Liberty Millet. Sow 70 lbs. to 80 lbs. to the acre. Pound 25 cents, 10 pounds $2.00.

PEANUTS

Plant when weather is warm. A warm, porous, sandy soil, put into a good friable condition and freed from weeds, is most suitable. Remove the pods without injuring the kernel, and place contents in bags or baskets, a small quantity in each, where there is a free circulation of air, until needed for planting. Reject all shriveled kernels. It requires thirty-five pounds of peanuts in the hull to an acre. Plant in rows three feet apart and one foot apart in the row. Cultivate often and keep the ground loose, as after the blossoms drop, the peduncles enter the soil at the base and form the peanut.

VIRGINIA. The best variety for roasting; 30 cents per pound, 10 lbs. $3.50.

SPANISH. In addition to their value for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stocks. They are early to mature, very productive, and in the far South, where they can be planted in April, two crops can be made in a year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. In harvesting, the nuts hang to the vine and tops and nuts are fed together to hogs, cows and horses as a whole grain ration. Spanish Peanuts grow in more compact form than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier. 35 cents per pound, 10 lbs. $3.00.

Bigger yields of Peanuts are obtained by Inoculation. Read page 96, it tells all about it.

RAPE

DWARF ESSEX. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six to eight weeks from the time of sowing. The fattening properties of Rape are said to be very much better than those of clover. It also makes splendid green feed for poultry. Rape is best sown in drills, at the rate of three to five pounds per acre, or it can be sown broadcast, when from six to eight pounds per acre should be used. Per pound 30 cents, 10 lbs. $2.50.

SALT BUSH

AUSTRALIAN (Atriplex semi-baccatum). Will grow on alkaline soils. Much relished by stock, supplying the necessary salt. One pound of seed to the acre if sown broadcast; four ounces if transplanted. In cutting fodder be careful not to injure the crown of the plants. Ounce 15c, pound 85c, 10 lbs. $7.50.

AUSTRALIAN "OLD MAN." A distinct species different from the Atriplex semi-baccatum. It succeeds on alkali land as well, and withstands drought. Plant in hills six feet apart each way, several seeds to a hill, thinning out t the two strongest plants. Packet, 10 cents, ounce 30 cents, pound $3.00.

SUNFLOWER

MAMMOTH RUSSIAN. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Per pound 25 cents, 10 lbs. $2.00.

TOBACCO

Tabaco Tabak Tabac

Cultivation of Tobacco is comparatively easy and a warm climate suits it best. The best time for starting the seed is January. Sow in seed beds of rich soil, and as the seed is extremely minute, it is first largely mixed with sand and wood ashes to assist in spreading it thinly. One ounce of seed will sow twenty-five feet square and produce plants for one acre. After the beds have been sown, cover the seed slightly and protect from light frosts. Remove covering as soon as can be done with safety, and the plants will then grow rapidly and are ready for transplanting about the first of June. Wet or foggy weather is the best for transplanting. The plants must be carefully raised from the seed bed and planted in the fields in rows three feet apart and leaving five feet between the rows. The crop needs much careful attention in weeding, and a watchful eye to prevent the ravages of various insect enemies. As soon as the plants begin to throw up the flower-shoot, it is clipped off; otherwise it would weaken the plant.

CONNECTICUT SEED LEAF. Grows to a height of about five feet, with leaves two and a half to three feet in length and from fifteen to twenty inches broad, one of the best varieties for cigar wrappers. Per packet 10 cents, $1.00 per ounce.

HAVANA. Bearing a fine colored leaf, varying from straw color to dark brown or black; it surpasses all other varieties in flavor for cigars; heavy cropper, fine texture, and the earliest variety to mature and ripen.

Big Havana (Vuelta de Abajo). Per packet 10 cents, ounce $1.00.

SUMATRA. Per packet 10 cents, $1.50 per ounce.

WHITE BURLEY. Per packet 10 cents, per ounce $1.00.

GERMAIN'S SEED POTATOES

WRITE FOR PRICES

EARLY WHITE ROSE

We are equipped to give you information as to the variety to plant and when. Our experts will be pleased to answer any question in order to help you produce a better and bigger crop.

The hill or row system may be used in planting. If in hills, they may be three feet apart each way or thirty inches one way and thirty-six inches the other way. The rows are usually three to three and one half feet apart. The distances between the hills in the row varies from 12 to 16 inches apart for early varieties and 17 to 20 inches for late ones according to the soil. On light soils early varieties may be planted four inches deep and late varieties five inches deep. Early varieties are planted any time after the middle of January, but there is danger of their being caught by frost if planted before February first. Usually it is best to plant the main crop of potatoes about the middle of February, as early planting usually gives better results than late planting. The cut seed should be as blocky in shape as possible. Long thin pieces are more likely to rot in the ground. A good method is to begin cutting of pieces at the stem and diagonally across the tuber until just enough is left at the blossom end to make two pieces, when this part should be cut in two so that all the eyes on the end will not be left on one piece.

When the rows are three feet apart and the space between hills is 15 inches, 800 to 1000 lbs. of seed potatoes are required per acre, if the seed pieces are cut 1 to 2 eyes. This is about the average rate per acre for this region.

PURPLE BLOSSOM BRITISH QUEEN SEED POTATOES

Planted extensively in coastal regions of Southern California for early crop new potatoes. Planted any time after the first of November. Vines of this type grow rank, covering almost the entire ground. A little longer in maturing than the White Rose but usually appear on the market earlier inasmuch as they are planted earlier.

EARLY RED ROSE

A Truly Wonderful Variety

The well known and popular pink skinned potato, bearing many qualities common to the White Rose. A real early maturing potato, excellent for first planting. Tubers are medium size, smooth and white meated—an elegant cooker.

EARLY WHITE ROSE SEED POTATOES

A long white variety and a most desirable type for all market purposes. Does well in most soils, and is a favorable yielder. Our seed stock is field inspected during the growing season and is carefully graded for seed purposes after digging. If in doubt as to the kind of potatoes to plant you will not be disappointed in the results by planting the above variety.

AMERICAN WONDER POTATO

Selected Stock

A medium sized, smooth and heavy producing white potato, wonderfully well adapted to rapid growth under California conditions. Matures in a very short period, being extremely healthy and vigorous. The American Wonder potato produces large quantities of perfect tubers in each hill and responds very readily to conditions meant for forcing. This variety is widely planted and many carloads are shipped from California every year.

Send for leaflet that tells how to prevent scab on potatoes.
It's free to those who ask for it.

WISCONSIN PRIDE SEED POTATOES

Also a long white variety, our seed stock being grown for us in the North. The same care is taken in their inspection and grading as is done for the Early White Rose. On heavy soils we believe this variety will yield better than the Early White Rose.

SWEET POTATOES

We will be able to supply potatoes of such varieties as Yellow Nansemond, Nancy Hall and Jersey Red during fall and winter up to February. Write for prices. Plants after March. **SWEET POTATO PLANTS.** **See page 20.**

Semesan Bel should be used to disinfect seed potatoes before planting to destroy such disease germs and fungus spores as adhere to their surface coat or in some cases exist internally. Semesan possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. **See Page 95.**

FLOWER SEED DEPARTMENT

A FEW CULTURAL SUGGESTIONS

Few people are aware of the great number and variety of flowers that can be raised from seed. In this glorious Southland, the time taken to obtain fine flowering specimens is not nearly so long as in colder climates, while varieties grow to splendid perfection, if given a reasonable amount of care. We have followed the usual course of catalog makers in classifying into hardy, half-hardy and tender annuals, biennials and perennials, but this need not be taken too literally in California, for many things tender in the east, middle west and north, are perfectly hardy here and will grow outdoors the year around without protection of any kind.

HARDY ANNUALS may be sown in the open air at any time. The name "Annual" indicates that they live only one season.

HALF-HARDY ANNUALS should be sown in a frame or given some protection until the seed germinates if needed early. By the middle of April, it is quite safe to sow in the open.

TENDER ANNUALS is a term used to distinguish those plants usually grown in greenhouses or frames. Speaking generally, they need more skillful treatment than the hardier kinds, though it is getting quite common now to see such plants as Cyclamens, Cinerarias and others flourishing outside in Southern California.

HARDY BIENNIALS are those that flower in the second year from sowing the seed.

HARDY PERENNIALS are among the finest of our border plants. They do not usually flower till the second year after sowing, but may be relied upon to produce larger clumps of flowers year by year for many years.

HALF-HARDY PERENNIALS are those which require some protection during the coldest weather, as they will not stand frost.

TENDER PERENNIALS are those species that require greenhouse or other protection during the greater part of the year. See also tender annuals.

HARDY ANNUALS. The best time to sow is in the fall months, as they will make much stronger plants and flower much more abundantly when wintered over. They may be sown in any finely-prepared shady border, and transplanted when large enough, to where they are to flower. Do not cover the seeds too deeply. A good rule is to cover each seed its own depth with soil, at the same time taking care to water carefully. Never water so much that the soil gets "soggy," i. e., saturated; nor ever let the top get dry. Most varieties will germinate within ten days.

They may also be sown at any time during the spring months for summer blooming, care being taken to shade the young plants after transplanting, in hot weather.

HALF-HARDY ANNUALS may be sown in April out-of-doors, or in boxes, in March or earlier. If sown in boxes, the boxes should have an inch of rough soil or gravel at the bottom for drainage; the remainder of the box should be filled within an inch of the top with sifted, light, rich soil, firmly pressed, and watered.

TENDER ANNUALS should be sown in pots as follows: Take a five or six-inch flower pot, put an inch of drainage in the bottom, then two inches of finely-sifted soil, firmly pressed, with a sprinkling of sand on top. Then sow the seed, and do not cover, but press into the soil. Water with a very fine sprinkler, and cover the top of the pot with a sheet of glass. Remove the glass for an hour daily to dry up the damp.

HARDY BIENNIALS and **PERENNIALS** should be sown in September. Many varieties, if sown then, will flower the next year. If sown in spring they will not flower till a year later. They may be sown in a shady border, and, when large enough, transplanted to where they are to remain.

HALF-HARDY and **TENDER PERENNIALS** should be sown in boxes, and treated as recommended for Half-hardy Annuals till plants appear, when they should be transplanted to two inch pots, and shifted afterwards when necessary.

We have arranged our list of flower seeds according to the various classes: Annuals, including separate lists of Everlasting Flowers and Ornamental Gourds; Climbers, Annual and Perennial; Biennials and Perennials; Ornamental Grasses, Annual and Perennial.

ABBREVIATIONS. Hh means Half-hardy, Annual or Perennial; T means Tender, Annual or Perennial. When no abbreviation is used, the variety will prove hardy in this climate. The letter B affixed to a variety means that it is useful for bouquets and cut flowers.

AIDS IN THE SELECTING OF FLOWER SEEDS FOR SPECIAL PURPOSES

BACKGROUNDS AND BORDERS
Dwarf Border Plants

Alyssum
Anemone
Armeria
Candytuft (Hardy)
Carnation (Border)
Cerastium
Daisy, Double
Myosotis
Pansy
Pinks (Hardy)
Polyanthus
Sweet William
Valerian
Violet

Tall Sorts for Backgrounds

Amaranthus
Canna
Celosia Plumosa
Cosmos
Dahlia
Datura
Hibiscus
Lavatera
Lupinus
Marigolds (African)
Ricinus
Sunflower

BEDS AND MASSING
Showy Flowering Annuals

Ageratum
Alyssum
Antirrhinum
Asters
Balsams
Calendula
Calliopsis
Candytuft
Carnation, Marguerite
Celosia
Chrysanthemum (Annual)
Convolvulus Minor
Coreopsis Grandiflora
Dahlias
Dianthus
Eschscholtzia
Gaillardia
Geranium
Lobelia Compacta
Marigolds
Nasturtium, Dwarf
Pansy
Petunias
Phlox Drummondi
Poppies
Portulaca
Salvia Splendens
Stocks
Verbenas
Vinca
Zinnias

EDGING WALKS, ETC.

Ageratum
Alyssum
Candytuft
Dusty Miller (Centaurea)
Lobelia
Myosotis (Forget-Me-Not)
Marigold, Dwarf
Phlox, Dwarf
Pinks, Chinese
Pyrethrum (Golden Feather)
Sweet Pea, Cupid
Nasturtium Dwarf
Nigella Dwarf
Zinnia, Dwarf

WINTER BOQUETS
Everlastings

Acroclinium
Globe Amaranth
Statice
" Xeranthemum
Helichrysum
Honesty
Ornamental Grass
Rhodanthe

CLIMBING

Asparagus
Australian Pea Vine
Ampelopsis
Aristolochia
Balloon Vine
Bignonia
Calampelis
Canary Vine
Clematis
Coboea
Convolvulus
Cypress Vine
Dolichos
Gourds, Ornamental
Humulus, Jap. Hop.
Ipomoea
Kudzu Vine
Maurandia
Mina lobata
Momordica
Moonflower
Nasturtium, Tall
Passion Vine
Smilax
Thunbergia
Wistaria

PARTLY SHADY PLACES

Anagallis
Anemones
Antirrhinum
Aquilegia
Asperula
Auricula
Begonia
Canterbury Bells
Coreopsis
Daisy Double
Delphinium
Flax, Scarlet
Foxglove
Matricaria
Mimulus
Myosotis (Forget-Me-Not)
Nemophila
Oenothera
Pansy
Polyanthus
Poppies
Schizanthus
Torenia
Violets

HANGING BASKETS, WINDOW BOXES, etc.

Alyssum
Asparagus
Begonia
Coleus
Convolvulus Minor
Kenilworth Ivy
Lantana Dwarf
Lobelia
Nasturtium Dwarf
Petunia
Primula
Smilax
Thunbergia
Vinca Rosea

CUTTING

Acroclinum
Antirrhinum
Aquilegia
Aster
Calendula
Calliopsis
Campanula
Centaurea
Carnation
Chrysanthemum
Coreopsis
Cosmos
Dahlia
Delphinium
Dianthus
Eschscholtzia
Gaillardia
Geum
Gypsophila
Helianthus
Hunnemania
Larkspur
Lupinus
Lychnis
Marigold
Matricaria
Mignonette
Myosotis
Nasturtium
Pansy
Pea, Sweet
Pentstemon
Phlox
Poppy
Pyrethrum
Rhodanthe
Rocket Sweet
Salpiglossis
Scabiosa
Schizanthus
Stock
Sweet William
Sweet Sultan
Verbena
Wallflower
Zinnia

PERMANENT BEDS AND BORDERS
Hardy Flowering Perennials

Anemone
Antirrhinum
Aster
Aquilegia
Campanula
Canterbury Bells
Chrysanthemum
Coreopsis
Delphinium
Digitalis
Gaillardia
Geum
Gypsophila
Heuchera
Hibiscus
Hollyhock
Lavender
Lobelia (Hardy Sort)
Lupinus (Perennials)
Lychnis
Penstemon
Phlox (Hardy)
Poppy (Hardy)
Primrose (Hardy)
Pyrethrum (Hardy)
Sweet Rocket
Scabiosa Caucasica
Wallflower

FOLIAGE

Amaranthus
Celosia
Centaurea Candidissima
Coleus
Euphorbia
Kochia
Pyrethrum, (Golden Feather)
Perilla
Ricinus
Zea Japonica

MARY PICKFORD
HOLLYWOOD, CAL

Oct. 2,
1 9 2 5.

Germain Seed & Plant Co.,
Los Angeles, Calif.

Gentlemen:

I want to thank you for the Mary Pickford sweet-pea seeds you so very kindly sent me. This sweet-pea is certainly a lovely flower and I hope that it will find a place in gardens everywhere so that it's exquisite beauty may bring happiness to people of all lands.

Sincerely,

Mary Pickford

GERMAIN'S SWEET PEA NOVELTIES

featuring

Germain's "Four Foremost" Early Flowering Spencers

SEE FRONT COVER

The four varieties described below and illustrated on front cover have been selected for excellence as well as novelty. They are indeed the four foremost flowering sweet peas of the season.

SUPERIOR PINK

"SUPERIOR PINK" is the highest achievement of our foremost Sweet Pea specialists. It created a sensation at the Seedsmen's Convention at Del Monte this spring. We highly recommend it with the conviction that it is the largest, strongest and most beautiful pink sweet pea we ever have had the privilege to offer. The supreme rose-pink, **pkt. 35c, 3 for $1.00.**

SWEET LAVENDER

True lavender is an immensely popular shade in sweet peas, and our new "Sweet Lavender" will easily surpass any other variety in the lavender group. "Sweet Lavender" is a pure lavender of enormous size, beautifully frilled and always bearing fours on good long stems. **pkt. 35c, 3 for $1.00.**

MRS. KERR

This unique sweet pea has given universal satisfaction. It is unquestionably the best early salmon. **Pkt. 25c.**

ELDORADO

Splendid glowing orange. Early, free flowering and of robust growth. Eldorado has shown greater resistance to sunburn than any orange variety previously introduced. In the winter garden it is simply a blaze of color. **Pkt. 25c.**

One packet each of Germain's Four Foremost Winter Sweet Peas, $1.00.

NEW WHITE SPENCER SWEET PEA

SNOWBALL

Pkt.

No collection of flowers is really complete without a good white. This new white sort is the origination of the most famous sweet pea growers on the Pacific Coast and they have described it as the most perfect sweet pea they have ever introduced. The flower is true to the highest standard of the finest Spencer types of today, it immaculate whiteness is retained long after cutting and it is very sweetly scented. **3 Pkts. for $1.00**.....$0.35

Germain's New Spencer Sweet Peas

MARY PICKFORD

The Sweet Pea named for Mary Pickford is one of the choicest Spencer varieties ever introduced, and is absolutely incomparable in its own artistic shade. It is a beautiful light and dainty pink with just the faintest suffusion of salmon, making a delicate color combination difficult to equal.....$0.25

MISS CALIFORNIA

In Miss California we have a Sweet Pea novelty which compels admiration and attention **wherever grown. The general effect is a** rich, beautiful, salmon cream pink of a dis**tinctly new shade. A splendid companion** variety to Mary Pickford.....$0.25

HEAVENLY BLUE

A fine new blue of a most beautiful soft tone **of Delphinium blue**.....$0.25

THE PRESIDENT HARDING

(Named by special permission of the late President of the United States.) It is an entirely new and most pleasing color in sweet peas—peach-red or salmon-cerise, suffused orange $0.25

POWERS COURT

This splendid new lavender is of English origin and has received the highest awards $0.25

GERMAIN'S COLLECTION OF SWEET PEAS OF MERIT

The five varieties listed above represent the cream of the latest Spencer creations. We offer the collection of five outstanding Spencer varieties for.....$1.00

MISS CALIFORNIA

NOVELTIES AND SPECIALTIES FOR 1927

NEW ICELAND POPPY

NEW ICELAND POPPY

"SUNBEAMS"

The grace and delicate beauty of the Iceland Poppy is universally admired. "Sunbeams" is a splendid new strain from Australia, producing many long-stemmed flowers of large size. The colors are exceedingly varied, and attractive, and range from bright red or orange through golden yellow to lemon, cream and white. "Sunbeams," although perennial, flowers the first year from seed and the blossoms are of good keeping quality when cut. **Pkt. 25c.**

THE JACOBOEA

A very attractive and uncommon flower which can be grown to perfection in our climate. They resemble very closely a miniature Chrysanthemum, and furnish an abundance of bloom during the summer months, if started from seed in early spring. The shades are copper, old rose, wine red, lemon, etc., all quite similar to those of the Chrysanthemum. Supplied in mixtures only. **Pkt. 25c.**

THREE NEW ZINNIAS

The Zinnia is thoroughly at home in California. Colorful, sun-loving, easy to grow, it is a favorite in thousands of gardens. It is also in Southern California that the finest new strain in Zinnias have been produced. The Dahlia-flowered, the Mammoth strain, and others were originated here, and again we are proud to offer three new Zinnias of surprising beauty, originated by our local Zinnia specialists.

NEW GIANT ROSE QUEEN

Unquestionably the finest Zinnia of this color in existence. Opens as a bright rose, with deeper center, and develops into a warm, deep rose when in full bloom. **Pkt. 25c.**

NEW GIANT LEMON QUEEN

An immense flower and most pleasing in color. The canary yellow petals are tinged with cerise on the lower side, the two shades blending into a variety of lemon tints as the flower develops. It is unique in having a pleasant odor. In short, "delightfully different." **Pkt. 25c.**

NEW GIANT ORANGE QUEEN

A new orange shade, exceptionally bright in tone. The giant flowers, while very double, have a more graceful appearance, than the earlier mammoth types. **Pkt. 25c.**

One packet each of the three New Queen Zinnias, 60c.

ZINNIA

ELEGANS PUMILA (Salmon-Rose)

Exceptionally fine for bedding and for cutting. The flowers of medium size are very double and of an exquisite salmon shade. **Pkt. 15c.**

Elegans Pumila, mixed colors. **Pkt. 15c.**

BLAZE O'COLOR COLLECTION OF GIANT ZINNIAS

Collection of five packets, containing four beautiful separate colors and a mixed packet of our finest Giant Zinnias. **50c.**

NEW GIANT ZINNIAS

Novelties and Specialties for 1927

GERMAIN'S NEW GIANT NON-LATERAL BRANCHING ASTERS

The New Giant Asters are so distinct and so beautiful in their character that we unhestitatingly recommend them to our customers with confidence that they will not only please them, but all who may have the pleasure of seeing them.

New Giant Aster—Peach Blossom—The photograph shown on this page conveys but a very inaccurate idea of the size and beauty of this particular type. The blossoms attain a diameter of 5 inches, individual stems fully 2 feet long. The blossoms in the opening buds are almost white; as the flowers mature they turn to a beautiful flushed peach blossom pink. Per packet 50c.

New Giant Aster—Light Blue—A splendid companion to the foregoing variety, the shade of blue to be noted in the flower of this superb sort is one of the richest conceivable. Price per packet 50c.

New Giant Rose—An exquisite shade of rich dark rose; the flowers are composed of long, narrow, twisted and curling petals. Per packet 50c.

New Giant Purple—Deep rich purple, a telling shade well displayed in the enormous sized blossoms. Splendid in stem, form and substance. Per packet 50c.

New Giant Asters Mixed—A well balanced mixture, including the above four varieties. Per packet 50c.

THE CALIFORNIA POPPY

Distinctly a native California flower, it has spread throughout the world on the strength of its beauty. In England and other European countries this wild-flower has been grown to such an extent that it has become one of the favorites.

Orange Flame—Admirably suited for borders. Very erect and compact, not over nine inches high. The flowers, slightly smaller than the ordinary Eschscholtzia, are of the brightest orange scarlet.

Ballet Girl—Beautifully frilled. The petals are an intense cochineal carmine outside and creamy white inside. These widely contrasting colors are startling in the same flower yet form a most pleasing combination.

Tango—Bronzy red overlaid terra cotta, the tango color recently so fashionable.

Mauve Beauty—A pure Mauve. A new color.

Purple Glow—Bright reddish purple, darkest shade obtained so far.

Lovely—Bright satiny rose pink suffused with salmon. A lovely flower indeed.

Scarlet Beauty—A deep scarlet with the bearing and appearance of a scarlet tulip.

Mixed—A superb mixture, rich in shades of crimson, pink, orange and scarlet. Pkt. 25c; ½ ounce, 50c.

All the above varieties per packet 15 cents. The full collection of seven varieties 90 cents.

For other varieties see page 87.

NEW GIANT SNAPDRAGONS
(Antirrhinum Maximum)

This wonderful new group of Giant Snapdragons far surpasses anything yet introduced. The flowers, closely placed on tall spikes, are of magnificent size—Invaluable for garden decoration, they are also incomparable cut flowers of exceptional quality.

Apple Blossom—Rosy Pink	$0.25
Cattleya—Lilac	.25
Old Gold—Rich Golden Yellow	.25
The Rose—Rich Rose Pink	.25
Copper King—Velvety Copper Scarlet	.25
Collection of five separate varieties	1.00
Choice Mixture—All Colors	.25

NEW HOLLYHOCK "ALLEGHENY ROSE"

The plant is a vigorous, tall grower and an abundant bloomer. The flowers are large and showy. Made up of broad frilled or ruffled petals. More artistic than the ordinary double kind, but larger, fuller and much more effective than the single. Per packet 25c.

Peach Blossom Aster

GERMAIN'S KING ASTERS

The King or needled type Aster is a favorite with cut flower growers. Its erect growth, long keeping qualities and heat resisting ability place it in the lead as an early aster for this climate.

In addition to sterling cut flower qualities, the King Aster presents a very distinct and attractive appearance. The long petals are narrow and fold so much as to make them appear quilled. The large flowers are borne on strong stems of good length.

King Crimson	$0.15	King Shell Pink	$0.15
King Lavender	.15	King Violet	.15
King Rose	.15	King White	.15
Collection of 6 colors	.75	King Mixed	.15

DIDISCUS COERULEUS
(Blue Lace Flower)

This charming introduction from Australia has immediately gained favor with the florists. A basket of these delicately formed blossoms possesses a grace not equalled by any other. The flowers are a light azure blue in color and their dainty globe-shaped construction reminds one of the art of lace-makers. The plant grows to a height of two feet. Pkt. 25c.

VERBENA LUCIFER

A new mammoth Verbena, in color an intense brilliant scarlet with no eye. It is a great improvement on the popular Scarlet Defiance and as a bed or border plant this brilliant subject will prove most satisfactory. Pkt. 25c.

VERBENA HYBRIDA GIGANTEA

Immense trusses, the individual florets measuring an inch in diameter. Mixed colors. Pkt. 25c.

LARKSPUR "EXQUISITE"

Charming new double Larkspur of a beautiful soft pink, the shade that is highly desired by all lovers of flowers. Price, per packet, 25c.

Novelties and Specialties for 1927

GERMAIN'S DAHLIA FLOWERED ZINNIAS

Zinnias are among the most uniformly successful flowers that can be grown in the Southland. The new double dahlia flowered type originated at the very gates of our city and is now known the world over.

In size the flowers compare favorably with a well grown dahlia and the colors are particularly rich in the glowing yet subdued shades for which the Zinnia has long been famous.

Exquisite. Truly dahlia-flowered. Exquisite in form and coloring. A light Tyrian Rose with deep rose center, **35c**

Golden State. Glowing orange-yellow, **35c.**

Crimson Monarch. A variety of extraordinary merit. In size and color it is unsurpassed, **35c.**

Dream. Beautiful deep lavender. A new and desirable shade in Zinnias, **35c.**

Illumination. Similar to Exquisite but a deep rose throughout, **35c.**

Old Rose. A very attractive shade, **35c.**

Polar Bear. Very large pure white, of true dahlia form, **35c.**

Canary Bird. A delicate shade of primrose, **35c.**

Scarlet Flame. A large, beautiful, bright scarlet, **35c.**

Collection of nine separate colors, **$2.75.**

Special Mixture. From named varieties only. 3 pkts. for **$1.00**, **35c** each.

MARIGOLD ORANGE PRINCE

GERMAIN'S NEW GIANT IMPERIAL STOCKS

This new type of stock is much superior in every respect to all former strains. The plants are more vigorous, the flowers larger and very double. They are tall branching, with an abundance of long stemmed laterals starting near the base of each plant. This new habit of growth makes it possible to gather an entire bouquet of flowers with fine stems from a single plant.

	Pkt.
Blush Pink. Light silvery pink	$0.25
Fiery Blood Red. Bright and showy red	.25
Chamois. Ivory tinted old rose	.25
Dark Blue. Rich deep blue or purple	.25
Lavender. A fine shade in stocks, a light lavender blue	.25
Rose. Beautiful deep salmon rose	.25
The Collection of six beautiful colors	1.25
New Giant Imperial Stocks in mixtures	.25

GEUM LADY STRATHEDEN

In Lady Stratheden we have a welcome addition to the well known border plants, the Geums. This new Geum is similar in form to the popular Mrs. Bradshaw, but the color is a fine, clear, golden yellow. A constant bloomer and a valuable plant for any perennial bed or border.....**25c**

GERMAIN'S AFRICAN MARIGOLDS
(Fistulosa Type)

These vigorous sun-loving flowers thrive in our California s mers. The two varieties listed here are the favorite shades are unsurpassed in quality.

Orange Prince. Extra large quilled, the finest golden orange
Lemon Queen. Equal to the above, but a luminous lemon yellow.....

GERMAIN'S DOUBL BLUE CORNFLOWE

Good blue flowers are not pl ful and it would be hard to fi more atttactive shade than improved Cornflower. Our stra specially selected for color as w size and fullness of the flowers. ful for cutting and garden use.

Blue, Germain's Extra Dou 10c.

GERMAIN'S NEW GIA PLUMED CELOSIAS

A lovely new class of feath coxcombs of the Pyramidalis The plants attain a height of 3 and over and during the mont August, September and Octobe crowned with immense, grace feathered plumes. Colors range yellow to the various shades of carmine, crimson, bronze, etc. seed sown in March beautiful imens may be had in full flowe the time above noted. Per pa **35c**; 3 packets. for **$1.00.**

GERMAIN'S FIVE FAMOUS ZINNIAS

Germain's Mammoth Str Mixed from separate giant eties, **25c.**

Dahlia Flowered Mixture. (For separate varieties see page), **25c.**

Giant Picotee. Petals all edged and tipped with contra colors. Distinct and effective, **25c.**

Giant Victory. Quilled. The best quilled strain. Ric shades of old rose, russet, burnt orange and other aut tints, **25c.**

Mexicana Hybrida (Haageana). The ideal border Zinnia. D compact and covered with small very double flowers of un shades, **15c.**

One packet each of the Five Famous Zinnias. **$1.00.**

TWO SPLENDID CALENDULAS

Calendulas are especially valuable for winter cut flower they are also splendid garden flowers at all times. The two eties offered here are exceptionally good.

"The Ball." A glowing orange throughout and very double
Orange King. Bright orange red with dark center. Not a new variety but a favorite with many.....

ANNUALS

Our Selection Twelve fine varieties of Annual Flower Seeds, $1.00. **Our Selection Six Fine Varieties of Annual Flower Seeds, 50c.**

The quickest and cheapest way of making a good display of color in the garden is by sowing annuals. But to sow them thickly is frequently done and then leave the little plants alone to fight for a position—eventually running straight up, flowering once and then dying—is not the right way to treat them. Each plant must have room to develop its branches as they are produced, and in order to obtain this, they must be thinned severely and often, so that each stands at from 6 inches to 1 foot apart, according to the kind sown. Some, as noted under the separate headings, are better sown in boxes or pots and transplanted. Others do well when where they are to flower. But in all cases, prepare the ground well by deeply spading and incorporating, as the work proceeds, good, well prepared manure. If natural manures cannot be obtained, we have the best commercial fertilizers always in stock, and these are equally effective. But give the plants room to develop, allow plenty of moisture, and the display that these pretty plants make will delight and surprise the grower.

All 10 cent packets at $1.00 dozen; 15 cent packets $1.50 dozen; 25 cent packets $2.50 dozen.

COLLECTIONS

ONE PACKET OF EACH OF THE HARDY ANNUALS LISTED BELOW FOR $1.50. REGULAR VALUE $2.10

ALYSSUM SWEET. White, height ¾ ft.
ARCTOTIS GRANDIS. White with blue disc, height 2 ft.
BALSAM (Lady's Slipper). Height 2 ft.
CALENDULA (Prince of Orange). Brilliant Orange, height ¾ ft.
CANDYTUFT. Pink, height 1 ft.
CANDYTUFT. Empress white, height 1 ft.
CENTAUREA IMPERIALIS. Finest mixed, height 2 ft.
CHRYSANTHEMUM. Choice mixture, height 2 ft.
CALIFORNIA POPPY. Golden yellow, height 1 ft.
CORN FLOWER (Ragged Sailor). Blue, height 2 ft.
GODETIA. Extra fine mixed, height 1½ ft.
GYPSOPHILA ELEGANS. Very graceful for bouquets, height 1½ ft.
LAVATERA TRIMESTRIS. Rose color, height 2½ ft.
LINUM (Scarlet Flax). Beautiful Crimson Scarlet, height 1 ft.
MARIGOLD FRENCH. Mixed beautiful bronzed and yellow shades, height 1 ft.
MIGNONETTE. All sorts mixed, height 1 ft.
NASTURTIUM TOM THUMB. Finest mixed, height 1 ft.
PHLOX. Finest mixed, height 2 ft.
POPPY. Mixed all sorts, height 2 ft.
SCABIOSA (Morning Bride). Finest mixed, height 2 ft.
ZINNIA (Youth and Old Age). Mammoth mixed.

ABRONIA

ABRONIA UMBELLATA (Sand Verbena). Delicate rose. Beautiful native trailer. Height ¼ ft. ..... Pkt. $0.10

ADONIS

ADONIS FLOS (Pheasant's Eye). Crimson, with black eye. A beautiful showy, free-flowering plant. Hgt. 1 ft. .. .10

AGERATUM

AGERATUM MEXICANUM. Fine for bedding or mixed borders.
Imperial Dwarf Blue. Height ¾ ft. ..... .10
Imperial Dwarf White. Height ¾ ft. ..... .10
Imperial Dwarf Mixed. ¼ oz. **30c** ..... .10

ALYSSUM COMPACTUM

ALYSSUM

Fragrant and pretty. Nothing better for borders or parkways. Sow thinly at any time of the year and thin the plants to 3 inches apart.

Pkt.
Compactum. Dwarf, White. Height ½ ft. ½ oz. **40c.** $0.10
Lilacinum. Pure lilac, fine for borders. ¼ oz. **30c.** .... .25
Sweet. White. Height ¾ ft. 1 oz. **40c** ..... .10

AMARANTHUS

Fth. The Amaranthus are splendid plants to give a tropical effect in mixed borders and shrubbery. Plant in sunny places and poor soil.
Caudatus (Love-lies-Bleeding). Flowers in long drooping panicles, bright crimson. Height 2 ft. ..... .10
Melancholicus (Ruber). Blood-red leaves. Height 1 ft. .10
Salicifolius (Fountain Plant). Leaves variegated. Purple crimson and gold. Height 3 ft. ..... .10
Tricolor (Joseph's Coat). Foliage red, green and yellow. Height 1 ft. ..... .10

ANAGALLIS

ANAGALLIS (Pimpernel). Mixed various colors. Free-blooming, attractive plant for borders. Height ½ ft. .. .10

ARCTOTIS

This plant is not sufficiently grown. The beautiful flowers have a steely blue sheen, reflected from the back of the petals that gives them a delightful and unique appearance which no other composite possesses. It is one of the finest annuals for cutting. Try it this season. Sow early in order to get large plants and sheaves of flowers.

ARCTOTIS GRANDIS

ARCTOTIS GRANDIS. Plants are of easy culture, flower abundantly from early summer till fall. Height 2 to 2½ ft. ..... Pkt. $0.10

ARGEMONE

ARGEMONE (Mexican Poppy). Mixed, white and yellow. Very showy. Height 2 ft. ..... .10

ARNEBIA

ARNEBIA CORNUTA (Arabian Primrose). B. Yellow, spotted with black or maroon. Height 1¼ ft. ..... .15

ASTERS

GERMAIN'S GIANT COMET BRANCHING ASTERS

GERMAIN'S GIANT COMET BRANCHING ASTERS

Even with the most expensive reproduction process it is difficult to convey the real beauty of the splendid development of the good old Aster. The iridescent coloring of these great chrysanthemum-like flowers nearly as large as a saucer, with beautiful curved petals, makes a brilliant display in the garden, and the fact that they will keep well as cut flowers for a week or ten days is especially appealing to the busy housewife. The Giant Comet is the finest among the loosely formed or ostrich feather type. The plants grow to a height of about 2 feet, are of full foliage and droop just enough for a graceful appearance. Planted from February to May, the Aster will furnish a continuous reward of gorgeous bloom from July to October. It grows easily, likes sunshine and a moderate amount of water.

GIANT COMET BRANCHING

	Pkt.		Pkt.
Crimson. Height 2 ft.	$0.25	Rose. Height 2 ft.	$0.25
Flesh. Height 2 ft.	.25	Shrimp Pink	.25
Lavender. Height 2 ft.	.25	White. Height 2 ft.	.25
Purple	.25	Mixed. Height 2 ft.	.15

Your Selection of Six from this Collection, $1.00
Full Collection, $1.25

OTHER VARIETIES

AMERICAN BEAUTY. (New) **Long-stemmed, Branching variety.**

This beautiful strain of recent introduction produces large full flowers on stout stems, petals are broad and incurved. For cutting, they are unsurpassed.

	Pkt.
Lavender	$0.25
Purple	.25
Rose	.25
September Pink	.25
Mixed Colors. ¼ oz. 85c	.25

AMERICAN BRANCHING.

Of American origin, this variety is a general favorite for its much branched habit and the excellence and size of bloom. Equally good for cutting or bedding.

	Pkt.
Crimson. Height 1½ ft.	$0.10
Flesh-pink. Height 1½ ft.	.10
Lavender. Height 1½ ft.	.10
Purple. Height 1½ ft.	.10
Rose-pink. Height 1½ ft.	.10
White. Height 1½ ft.	.10
Mixed. Height 1½ ft. ¼ oz. 45c	.10

COCARDEAU, or CROWN. White centers, mixed colors. Height 1½ ft. .10

NEW ROYAL ASTERS.

A new development of the early mid-season type, compact and free flowering. In our opinion the best all around early bedding aster. All colors mixed .10

KING OR NEEDLED TYPE ASTERS.—(See page 65)

ANNUALS

BALSAM

IMPATIENS BALSAMINA (Ladies' Slipper)

Good for flower beds, for mixed borders or for pots in the window garden or green-house. There is nothing that quite takes the place of the Balsam, as it is distinct from everything else in cultivation. Sow in February or March for use inside and in April in the open ground. Our strains are the finest selections from European and home grown varieties and cannot be excelled.

	Pkt.
Double Rose-Flowered. Mixed. Height 2 ft	$0.10
Camellia-flowered. Pink. 2 ft	.10
Camellia-flowered. Scarlet. 2 ft	.10
Camellia-flowered. White. 2 ft	.10
Camellia-flowered. Mixed. Height 2 ft. ½ oz. **40c**	.10
Solferino. White, shaded with scarlet and lilac. Hgt. 2 ft.	.10

BARTONIA

	Pkt.
BARTONIA AUREA. Yellow. Height 1 ft	.10

BRACHYCOME

This is a dwarf and profuse flowering annual, fine for cutting. Sow it in a sunny position and cut flowers every day for three months. Known also as the Swan River Daisy.

	Pkt.
BRACHYCOME IBERIDIFOLIA Cineraria-likeflowers. Native of Western Australia. Mixed. Height 1 ft	.10

BROWALLIA

(Amethyst)

BROWALLIA ELATA. Hh. A favorite bedding plant, flowers a unique blue and white. Height 1½ ft	.10

CACALIA

CACALIA COCCINEA (Flora's Paint Brush). B. Scarlet. Height ½ ft	.10

CALCEOLARIA

The splendid hybrids of Calceolaria that have been raised by European specialists, are among the finest pot plants in existence. These must not be confounded with the old yellow and brown varieties used for bedding. Our strain is absolutely the finest obtainable. Sow at intervals from June to August and treat as advised for Cinerarias.

	Pkt.
CALCEOLARIA HYBRIDA SUPERBA. T. Beautifully blotched, mottled and striped. Height 1½ ft	$0.50

CALENDULA

	Pkt.
CALENDULA OFFICINALIS (Pot Marigold). Easy culture.	
Lemon Queen. Rich lemon yellow. Oz. **40c**	$0.10
Orange King. Bright orange red, the finest of all. Oz. **45c**	.10
Meteor. Orange striped cream	.10
Royal or Trianon. Yellow striped orange	.10
Nankeen. Cream flushed apricot	.10
Mixed. Oz. **25c**	.10

CALIFORNIA POPPY

(Eschscholtzia See pages 65, 87

CALLIOPSIS

If the varieties of Calliopsis were rare and high priced, people would rave about their beauty, but as they are so cheap and easily grown, they are often passed by unnoticed. The lovely combinations of yellow and brown are not excelled in any other plant and they have an elegance and grace all their own. Sow at any time of the year and in any position or soil.

	Pkt.
Bicolor, yellow, maroon center	$0.10
Crimson King, dark crimson	.10
Golden Wave	.10
Mixed. Per oz. **40c**	.10

CENTAUREA

Everyone knows and likes the old fashioned "Sweet Sultans". Known also as Bachelor's Buttons, Blue Bottle, Ragged Sailor, Bluet and Ragged Robbin. In a variety of colors, they are great favorites of the florists, and they are also fine for the home garden, treated like any hardy annual. While they do fairly well in poor soil, no plant responds better to liberal treatment. The common Cornflower, Centaurea Cyanus, is decidedly the finest of all blue flowered annuals and a favorite wherever grown. Too good to miss and of the easiest possible culture. Sow anywhere at any time.

	Pkt.
CENTAUREA CYANUS.	
Blue. Height 2 ft	$0.10
Double blue. Height 2 ft	.10
Pink. Height 2 ft	.10
White. Height 2 ft	.10
Mixed. Height 2 ft. ½ oz. **40c**	.10
CENTAUREA IMPERIALIS is an improvement on the old-fashioned "Sweet Sultan; height 2 ft.	
Brilliant Rose	.10
Lavender	.10
Purple	.10
White	.10
Mixed. ½ oz. **45c**	.10
Suaveolens, Yellow	.10

ANNUALS

CANDYTUFT

(Iberis Umbellata)

Fine plant for cutting. Good for massing or bedding and an easily grown, free flowering subject. The newer varieties are not to be compared with the older small flowering kinds, beautiful as these undoubtedly are, and no garden is complete without some at least. Pkt.

Carmine. Height 1 ft. .10
Crimson. Height 1 ft. .10
Flesh Color. Height 1 ft. .10
Lavender. Height 1 ft. .10
Rose Cardinal. Height 1 ft. .10
Mixed. Oz. 40c .10
Giant Empress. White. .10
Giant Hyacinth Flowere, White. ½ oz. 45c .10

CATCHFLY

See Silene Armeria.

CELOSIA

This is the botanical name of the well-known cox-comb or Prince's Feather. The former, C. cristata, is a stiff, formal plant, bearing immense "combs" of brilliant colors. The latter, C. pyramidalis, is more graceful and equally bright. Raise the seeds in a gentle heat if possible in early spring and extra large plants will result. Any kind of soil suits them and plenty of sun.

Cristata Empress. Dwarf, crimson, splendid. Height ¾ ft. Pkt $0.15
Glasgow Prize. Crimson. Height 1 ft. .15
Finest Mixed. Height ¾ to 1 ft. .10
Pyramidalis. Mixed. Height 2 ft. .10
Thompsoni Magnifica. Beautiful plumed celosia, ranging in color from golden yellow to blood-red—Mixed. .15
Chinese Wool-Flower (Celosia Childsii). A remarkable floral novelty. The immense blooms resemble large globes of crimson wool .25

CHRYSANTHEMUM

(ANNUAL) Painted Daisy

The annual Chrysanthemums must not be confounded with the autumn flowering Chrysanthemum or Pyrethrum Sinense of botanists. They are showy, effective plants of the easiest possible culture, requiring only to be sown in the position where they are to flower and thinned to 9 inches apart. They make a fine display all the summer.

Carinatum Burridgeanum. White, with crimson ring. Height 2 ft. .10
Carinatum W. E. Gladstone. Rich crimson. Height 2 ft. .10
Carinatum. The **Sultan.** Scarlet .10
Carinatum Tricolor. (Painted Daisies). Mixed. Oz. 45c .10
Carinatum Double. Mixed ½ oz. 45c .10
Coronarium. Double White. Height 2 ft. .10
Coronarium Double. Yellow .10
Coronarium Double. Mixed. Oz. 45c .10
Segetum, Eastern Star. Yellow with brown disc .10
Segetum, Evening Star. Yellow, light center .10

CINERARIA

Although in this favored southland, the Cineraria thrives outdoors in semi-shaded positions, it is as a greenhouse or window plant it is best known. Continental hybridists have been for years working on this flower and we annually add the best from these raisers to our own well known strain. Our seed plants are raised under the strictest surveillance of experts who are quick to note anything not up to the high standard set. The Cineraria dislikes heat at any time and must be always in a cool, moist atmosphere with plenty of air. Green fly or aphis is its worst insect enemy and must be destroyed on sight by light fumigation or dipping in one of the nicotine preparations sold by us. Sow at various times from May to August for winter and spring flowering.

Pkt.

CINERARIA HYBRIDS, mixed .25

CLARKIA

A fine annual of easy culture, growing 2 ft. high with leafy racemes of double flowers in a wonderful range of color. Lasts well when cut and all buds open in water. Succeeds in sun or shade.

Apple Blossom. (New) $0.10
Firefly .10
Purple King .10
Rose .10
Salmon Queen .10
Vesuvius (Scarlet Beauty) .10
Fine Mixed (All Kinds). ¼ oz. 25c .10
Collection of 6 separate colors .40

COLLINSIA

COLLINSIA BICOLOR. Purple and white. Height 1 ft. .10

CONVOLVULUS

CONVOLVULUS MINOR (Dwarf Morning-glory). Mixed colors. Height 1 ft. .10

CORNFLOWER (See Centaurea)

COSMOS

Cosmos is one of the most popular flowers for table decoration. The Mammoth varieties keep up a succession of bloom for a long period, and as they are fall flowers it is almost impossible to have flowers of the late variety in early spring. The early varieties can be had in bloom in early spring by fall sowing.

GERMAIN'S EARLY LARGE FLOWERING

Crimson .10
Rose .10
White .10
Mixed. Oz. 60 .10

MAMMOTH AUTUMN FLOWERING

Lady Lenox Giant Pink. With over-lapping petals, perfectly shaped flowers of deep rosy-pink on long stems. Perhaps the finest of all cosmos .10
Lady Lenox Giant White. Differing from the above only in color .10
Mammoth Crimson. A fit companion to Lady Lenox cosmos .10
Mammoth Flowering, Mixed. Oz. 45c .10
Klondyke. The popular large golden yellow .10

NEW DOUBLE CRESTED

Crimson .25
Pink .25
White .25
Mixed. ¼ oz. 60c .25

COSMOS

DATURA

DATURA HUBERIANA. Hh. Double Mixed. Height 3 ft. .10

DIMORPHOTHECA

Exactly suited to the climate of Southern California, the yellow African Daisy is a showy, beautiful dwarf annual, with orange yellow flowers, much more easily and quickly grown than the Gazania, so much used for parkings and narrow borders. A gem that should be in all gardens. Pkt.

Dimorphotheca Aurantiaca $0.10
Hybrids, Mixed .10

EUPHORBIA

Variegata. (Snow on the Mountain). Foliage veined and margined with white. Very effective in the garden or mixed in bouquets. Height 2 ft. .10
Heterophylla (Annual Poinsettia.) An attractive foliage plant. The bracts form a bright red disc, similar to the poinsettia. Height 3 ft. .25

GILLIA

Tricolor. Violet shading to white, yellow throat .10
Dwarf Sorts. Mixed .10

ANNUALS

GODETIA

Native to the State of California, this annual has been improved out of all knowledge of the earlier botanists. The colors are exquisite and the texture of the flowers silky and attractive in the extreme. The varieties are not nearly as well known as they deserve. Sow where they are to flower. Pkt.

Duchess of Albany. Large white. Height 1 ft. $0.10
Gloriosa. Dark blood-red with satin luster. H'ght ¾ ft. .. .10
Lady Albemarle. Dark crimson. Height 1½ ft. ..... .10
Lindleyana. Rosy Lilac. Height 1 ft. ..... .10
The Bride. Crimson and white. Height 1 ft. ..... .10
Finest Mixed. Height 1½ ft. ½ oz. **40c** ..... .10
Double Rose ..... $0.10 **Double Crimson** $0.10
Double Lilac ..... .10 **Double Mixed** ..... .10

GYPSOPHILA

We sell large quantities of this pretty annual to florists who grow it for mixing with Sweet Peas and other flowers. It thrives in any garden soil and flowers freely in a much shorter time than is needed to perfect the old perennial kind. Sow at intervals where the plants are to flower. Any position or exposure suits it.

Gypsophila Grandiflora Elegans. B. Pure white. Very graceful. Height 1½ ft. See also Perennials. Oz. **30c** .. Pkt. $0.10
Height 1½ ft. ..... .10
Rosea. Delicate pink ..... .10

HELIANTHUS

Ornamental double varieties of the well known Sunflower. Good for backgrounds. Pkt.

Californicus. Double. Height 6 ft. $0.10
Cucumerifolius. "Stella." Single golden yellow with black center. Height 3½ ft. ..... .10
Globosus fistulosus. Double quilled. Height 6 ft. ..... .10
Nanus. Dwarf; double. Height 3 ft. ..... .10
Sulton's Red. (Single) ..... .25

HIBISCUS

HIBISCUS AFRICANUS. Yelllow, with dark center. Height 2 ft. See also Perennials ..... .10

ICE PLANT

ICE PLANT (Mesembryanthemum crystallinum). White. Trailer ..... .10

KAULFUSSIA

KAULFUSSIA AMELLOIDES (Cape Marguerite). B. Blue. Height 1 ft. ..... .10

KOCHIA

The Summer Cypress is not so well known in California as in the East, where it is freely used for a hedge around gardens or to divide lots. The plant makes a globular head that in summer is green and in the fall turns to a deep red, which is most attractive. Very easily grown. Pkt.

CHILDSI. (Summer Cypress) $0.10

LARKSPUR

The annual Larkspurs, though not so majestic looking as the perennial or herbaceous kinds, are among the prettiest of easily grown garden plants. They grow about 2 feet high and are favorites everywhere. Pkt.

Double Stock Flowered. Dark Blue ..... Oz. **75c** $0.10
Double Stock Flowered. Lilac ..... " .... .10
Double Stock Flowered. Lustrous Carmine ... " .... .10
Double Stock Flowered. Shell Pink ..... " .... .10
Double Stock Flowered. Bright Violet ..... " .... .10
Double Stock Flowered. Pure White ..... " .... .10
Double Stock Flowered. Mixed ..... Oz. **45c** .... .10

LAVATERA

LAVATERA TRIMESTRIS. Mixed. Height 2½ ft. ..... .10

LIMNANTHES

LIMNANTHES DOUGLASII. Sometimes called Yellow Nemophilia. Yellow. Height 1-3 ft. ..... .10

LINARIA (Baby Snapdragon)

Choice annual varieties. Mixed ..... .10

LINUM

LINUM GRANDIFLORUM RUBRUM (Crimson Flax). Crimson. Unsurpassed for brilliancy and duration of bloom. Height 1 ft. Oz. **50c** ..... .10

LOBELIA

Everyone knows the blue Lobelia, used so much for ribbon borders and now so much in favor for hanging baskets or pots. Dwarf or trailing all are free flowering. The seed is extremely fine and must not be covered deeply—see also perennials.

Crystal Palace Compacta. Rich dark blue; dark foliage. Best dark blue for borders or bedding ..... Pkt. $0.10
Emperor. Sky blue, compact and free flowering ..... .10
Erinus. White. Most effective in contrast with the blue varieties ..... .10
Hybrida Pendula Hamburgia. Blue, distinctly trailing in habit. Fine for hanging baskets ..... .15
Hybrida Pendula. Sapphire. Deep blue, pronounced white eye, habit same as above ..... .15
Hybrida Pendula. Miranda. Crimson Rose, with white eye. A well grown basket of this delightful trailing plant is a wonderful sight ..... .15

LUPINUS

See also Perennials.

Mixed Annual Varieties. B. Height 2 to 3 ft. Oz. **30c.** .10
Nanus. Dwarf, blue. Height ½ ft. ..... .10

MALOPE

MALOPE GRANDIFLORA PURPUREA. Reddish purple. Height 2 ft. ..... .10

MARIGOLD

Favorite showy plants for mixed borders. See also Calendula

AFRICAN MARIGOLD

CULTURE—Marigolds are hardy annuals and old favorites in our gardens. They are all showy, especially in masses. Sow the seed broadcast, or in rows in well spaded and finely prepared soil, covering not more than one-eighth inch deep, and thin out to 6 or 10 inches apart.

African Orange Prince Perfect Ball-shaped flowers of a rich deep golden orange; tall stems; the finest of all. 2½ ft. ¼ oz. **50c** ..... Pkt. $0.15
African Lemon Queen. Lemon yellow; similar in all but color to orange ball. Grown together they form a striking combination. ¼ oz. **35c** ..... .15
African Mixed. ½ oz. **40c** ..... .10
French Dwarf Orange. Double. 1 ft. ..... .10
French Dwarf Dark Brown. Double. 1 ft. ..... .10
French Dwarf Legion of Honor. Single golden yellow, velvety Brown center. ¾ ft. ..... .10
French Dwarf Double Mixed. ½ oz. **30** ..... .10

MATHIOLA

Mathiola bicornis, or the Night Scented Stock, is a delightful little plant for edgings or small borders. No one who grows it once, cares to be without it afterwards. Pkt.

MATHIOLA BICORNIS Purple; fragrant. Height ½ ft. $0.10

MESEMBRYANTHEMUM

MESEMBRYANTHEMUM TRICOLOR (Dew Plant). For edge or rockwork. rosy lavender. Trailer .... .10

ANNUALS

MIGNONETTE

MIGNONETTE

CULTURE—This well known plant, is in fact a small annual shrub and grows wild on the sandy shore of Algiers. The name Mignonette is French and stands for "Little Darling." No garden should be without this sweet little plant. Sow in any good garden soil, deeply spaded, covering the seed its own depth and keeping moist.

Pkt.

Machet, Extra Select. An improved form of this large flowered, sturdy variety. Deservedly the most popular for the size and substance of its flower stalks and the intense fragrance of its flowers. ½ oz. **60c** ..... .10

Golden Machet. Splendid Gelden Yellow. ..... .10

Victoria, Giant Red. Shows a brilliance of color which is truly surprising in this class of plants ..... .10

White Goliath. (New). This new mignonette has very large spikes of flowers which might well be called double as the individual florets are larger and much fuller than in older varieties, presenting almost solid columns of white. It is excellent for cutting and rich in fragrance ..... .25

Odorata. The sweet-scented favorite of old-time gardens.. .10

Mixed. Oz. **30c** ..... .10

NEMOPHILA

(Love Grove). Charming California annuals for borders.

Insignis (Baby Blue Eyes). Beautiful sky blue. Height ½ ft ..... .10

Maculata. Large, white with purple blotch. Height ½ ft ..... .10

Fine Mixed. Height ½ ft. Oz. **50c** ..... .10

NICOTIANA

Affinis (Ornamental Tobacco). White and fragrant. Height 3 ft ..... .10

Sanderae. Pink. Large flowering hybrids, very showy, profuse bloomer, easily raised from seed ..... .10

Mixed. All colors ..... .10

NIGELLA

(Love-in-a-Mist or Devil-in-the-bush). B. Singular flowers, the upper petals being reflexed to resemble horns.

Damascena, Miss Jekyll. Double rich deep blue, contrasting well with the light green feathery foliage ..... .10

Damascena, Double White ..... .10

Damascena, Double Mixed. Blue and white. Oz. **45c** .... .10

NASTURTIUM

Singularly suitable for growing on poor sandy soils where few things thrive. The dwarf kinds will make a glorious display on a sand bank or any comparatively useless patch of soil, while the climbing or vining varieties run a wild riot over anything unsightly in the garden or are good for temporary summer shade on porches and verandas. Beside the showy blossoms, the foliage makes a piquant salad much liked by many people, while the seeds, if gathered green, are fine for pickling. A plant of so many points can hardly fail to be popular. Sow the seed an inch deep, where the plants are to remain, as it is not an easy subject to transplant.

NASTURTIUM, TOM THUMB (See page 88) Pkt.

Bronze. Distinct golden bronze. Height 1 ft $0.10

Chameleon. A fine variety producing different flowers on the same plant. Height 1 ft ..... .10

Cloth of Gold. Light scarlet, yellow foliage. Height 1 ft. .10

Empress of India. Dark leaves and crimson flowers. Height ¾ ft ..... .10

Golden King. Dark foliage. Height 1 ft ..... .10

King of Tom Thumbs. Dark foliage, scarlet flowers. Height 1 ft ..... .10

King Theodore. Nearly black. Height 1 ft ..... .10

Ladybird. Orange-yellow, red spots. Height 1 ft ..... .10

Pearl. White. Height 1 ft ..... .10

Prince Henry. Cream, spotted and tipped carmine ..... .10

Regalianum. Purplish violet. Height 1 ft ..... .10

Rose ..... .10

Ruby King. Light ruby-red. Height 1 ft ..... .10

Scarlet. Height 1 ft ..... .10

Vesuvius. Salmon rose with dark foliage ..... .10

Finest Mixed. Height 1 ft. Oz. **15c** ..... .10

Tom Pouce. Miniature trailing sort, excellent for window boxes. Mixed colors ..... .10

NASTURTIUM (TALL)

Thrives well in poor soil and covers quickly fences or bare spots in the landscape. The remarks on the dwarf varieties under "annuals" are also applicable to the tall ones.

Butterfly. Bright sunflower yellow, spotted delicate salmon pink ..... Pkt. $0.10

Chameleon. A new variety, has flowers of different colors on same plant. Hgt. 6 ft ..... .10

Dark Crimson. Height 6 ft ..... .10

Edward Otto. Brownish lilac. Height 6 ft ..... .10

Hemisphericum. Golden yellow, marbled salmon rose ... .10

King Theodore. Dark maroon, with dark leaves; extra fine. Height 6 ft ..... .10

Orange. Height 6 ft ..... .10

Pearl. Creamy white. Height 6 ft ..... .10

Regalianum. Purplish violet. Height 6 ft ..... .10

Scarlet. Height 6 ft ..... .10

Schulzi. Rich deep scarlet, noted for its dark foliage ..... .10

Vesuvius. Salmon-rose, dark-leaved; splendid. Hgt. 6 ft .10

Yellow. Height 6 ft ..... .10

Finest Mixed. Height 6 ft. Oz. **15c** ..... .10

Ivy Leaved Tall Mixed. The leaves are of a rich green, veined with white. Oz. **25c** ..... .10

Lobbianum. Tall mixed. Lobb's choice mixture contains a number of especially rich shades; deep red, glowing scarlet, crimson, are the prevailing colors. The vines are strong, grow tall and flower abundantly. Oz. **20c** ..... .10

NEMESIA

NEMESIA GRANDIFLORA STRUMOSA. Mixed. Sow in March in boxes or seed bed and transplant 6 inches apart each way. Height 6 inches ..... Pkt. $0.25

NOLANA

NOLANA. Fine Mixed. Trailer ..... .10

PANSY

(See page 84)

PERILLA

PERILLA NANKINESIS. Hh. Very dark leaves. Height 1½ ft. .10

Dutch Bulbs

Afford the richest field for beautiful decorative effects for the least labor. Any woman will enjoy the care of these aristocratic plants and revel in the beauty of the waxy flowers and richness of perfume. We are the largest importers in the West. Special Bulb Catalog is usually ready about September first. Write for it.

ANNUALS

PHLOX

CULTURE—Phlox is an extensive and interesting genus of invaluable hardy annuals, producing fine clusters of flowers in a variety of colors which includes white, pink, rose, purple, and scarlet. Some of the scarlets have pure white eyes and each year new varieties are added to the list. The only treatment required is to sow the seed where the plants are wanted to grow, and for perfection of flowers, thin out to one foot apart each way.

ONE OF OUR FIELDS OF PHLOX

PHLOX DRUMMONDII. Showy bedding plants.	Pkt.
Bright Scarlet. Height 1 ft	$0.10
Pink. Height 1 ft	.10
Chamois Rose. Height 1 ft	.10
White. Height 1 ft	.10
Large-flowering. Fine mixed. Height 1 ft. ¼ oz. **75c**	.10
Very Dwarf, Extra Fine Mixed. Height ½ ft	.10
Cuspidata (Star Phlox). Mixed. Height 1 ft	.10

PORTULACA

For exhibiting a display of dazzling brilliancy the Portulaca is unrivalled. It revels in sunshine, and will stand quite a degree of drought.

CULTURE—The Portulaca may well claim a prominent place in our garden. A large bed or border presents a gay appearance of dazzling brilliancy. They are best sown in February and March, as they grow with great rapidity in warm weather. Sow the seed very shallow in a sunny situation. Keep moist but never over water.

Single. Crimson. Height ½ ft	.10
" **Scarlet.** Height ½ ft	.10
" **White.** Height ½ ft	.10
" **Yellow.** Height ½ ft	.10
" **Mixed.** Height ½ ft. ¼ oz. **45c**	.10
Double. Golden. Height ½ ft	.25
" **Pink.** Height ½ ft	.25
" **Scarlet.** Height ½ ft	.25
" **White.** Height ½ ft	.25
" **Mixed.** Height ½ ft. ⅛ oz. **75c**	.15

POPPY

CULTURE—There can be no stronger and better proof of the beauty of this flower than the extent to which the varieties are grown. No other flower will produce such gorgeous brilliancy for bedding purposes. Sow the seed in beds where it is required, as it does not transplant easily. Cover it its own depth. Keep moist and thin out to six or eight inches apart. Height, except where noted, 2 to 3 feet.

See also list of Perennials.

SINGLE ANNUAL POPPIES.

Admiral. Glistening white, with a broad band of bright scarlet round the smooth edged petals	.10
Danebrog. (Danish or Victoria cross poppy). Scarlet with white blotch at base of each petal, forming a perfect cross	.10
Miss Sherwood. The flowers are from 4 to 5 inches across, pure satiny white, tinged with chamois rose	.10
Shirley, American Legion. For complete description of this new, striking Flanders' poppy, see List of Novelties. 3 Pkts. for **60c**	.25
Shirley, Blue Shades	.25
" **Rose Pink**	.25
" **Mixed.** A distinct race, containing a wide range of color. Oz. **40c**	.10
Tulip Poppy. (Papaver Glaucum) Vivid scarlet, an improved form of the red Flanders' poppy. Height 1¼ ft	.10
Umbrosum. (The Caucasian Poppy) A glowing scarlet-crimson. Height 1½ ft	.10

DOUBLE ANNUAL POPPIES.

Carnation Flowered, double white. A large pure white double form of the opium poppy with petals beautifully fringed and curled	.10
Carnation Flowered, double bright rose	.10
Carnation Flowered, double cherry red	.10
Carnation Flowered. Double Mixed. Large fringed flowers ranging in color from pure white to the deepest crimson. Oz. **30c**	.10
French or Ranunculus flowered, double. The double form of Flanders' poppy. Mixed	.10
Mikado. (Striped Japanese Poppy) White and crimson. Double fringed	.10
Paeony flowered. Immense flowers, closely resembling the double paeony in form; splendid colors in great variety	.10
Shirley, Double Eldorado. New salmon shades	.25
Shirley double Eldorado. New pink shades	.25
Shirley double Eldorado. New shades mixed	.25
Shirley double Ryburgh's New Hybrids	.25

BEGONIA—Tuberous-rooted Double. See page 80.

Read about the New Giant Asters on page Sixty-five

ANNUALS

RICINUS

Cambodgensis. (Ornamental Castor Beans). Leaves and stems nearly black; very fine. Height 5 ft. ..... .10
Sanguineus. Blood-red foliage. Height 6 ft. ..... .10
Zanzibariensis. Mixed. Very large leaved ..... .10

SALPIGLOSSIS

(Painted Tongue)

SALPIGLOSSIS GRANDIFLORA

Not one amateur gardener in a hundred knows this splendid annual, one of the most magnificent of all. The throat of the flower is beautifully lined and marked with rich velvety tints like an exquisite Gloxinia, but the plants are so free flowering that armsful of blossoms can be gathered daily from a small bed or border. They are graceful and exquisite, especially suitable for table decoration. Sow thinly where they are to bloom and thin to 1 foot on poor soil and 18 inches on good. Try them this season. They like plenty of sun, which does not spoil the color as in some other flowers.

SALPIGLOSSIS GRANDIFLORA.	Pkt
Chamois.	$0.10
Crimson and Gold	.10
Deep Maroon	.10
Purple and Gold	.10
Rose and Gold	.10
White and Gold	.10
Collection of 6 above varieties	.50
Finest Mixed All Colors	.10

SANVITALIA

Profuse-blooming trailing plants for beds, rockwork, etc. Sometimes called Trailing Sunflower.

Double Yellow. Trailer ..... .10
Procumbens. Single Yellow. Trailer ..... .10

SAPONARIA

SAPONARIA CALABRICA (The Calabrian Pink or Soapwort). Pink. Height ½ ft. ..... .10

SILENE

Used as a carpeting for bulbous plants in spring. There is no other annual plant so effective as Silene pendula compacta for this purpose. Sow in August or September. For summer blooming, sow in March.

	Pkt.
Armeria, Catchfly	$0.10
Compacta. Double red. Height ¾ ft.	.10
Pendula compacta. Red. Height ¾ ft.	.10

SCABIOSA

(Mourning Bride or Pin Cushion Flower)

CULTURE—No "old fashioned" flower bed is complete without this sweet and dignified flower; and alone it is a worthy addition to any garden. Free blooming, hardy double annual. It succeeds in any ordinary garden soil. Handsome flowers growing to a height of two feet and fine for cutting. Sweet scented. An excellent border plant. Sow the seed ⅛ inch deep, keep moist, never water so much that soil becomes soggy.

SCABIOSA

	Pkt.
Azure Fairy. Delicate Lavender	$0.10
Cherry Red. A bright cerise	.10
Dark Purple. Velvety Black purple	.10
Fiery Scarlet. Brilliant Crimson scarlet	.10
Flesh. A pleasing shade of light pink	.10
Maroon	.10
Rose. Soft rose color	.10
White. (Snowball) Pure white	.10
Yellow. Golden straw	.10
Mixed. All colors. ½ oz. **40c**	.10
Dwarf Mixed. Height 1 ft.	.10

SCHIZANTHUS

The Schizanthus has been greatly improved by selection and hybridizing in recent years, and when gardeners awake to its many merits, it will increase rapidly in popularity. Not only are the flowers bright and telling, but the foliage is deeply cut and serrated like a fern, each plant forming as it were, a complete bouquet. It has been aptly termed the "Poor man's Orchid" as it closely resembles some of these aristocratic flowers. Sow in pots or boxes and transplant to good soil in the open, from February to May. Also fine for pot culture in the greenhouse.

	Pkt.
Finest Mixed. Height 1½ ft.	.10
Wisetonensis Hybrids Mixed	.10
Garaway's Hybrids. See list Novelties	.25

SUNFLOWER (See Helianthus)

SWEET SULTAN (See Centaurea)

SWEET PEAS See pages 63, 64, 78.

TORENIA

TORENIA FOURNIERI. T. A valuable plant for pots, baskets or borders. Violet, with lilac and yellow. Height ¾ ft. ..... .15

VENUS' LOOKING GLASS

VENUS' LOOKING-GLASS. Pretty bell-shaped flowers; blooming profusely, well adapted for edging and hanging-baskets. Blue. Height ¾ ft. ..... .10

ANNUALS

VIRGINIAN STOCK

VIRGINIAN STOCK. Mixed. Height ½ ft..... $0.10

VISCARIA

Coeli-Rosea (Rose of Heaven). Pink. Height ¾ ft..... .10
Elegans picta. Rose and scarlet. Height 1 ft..... .10
Oculata. Rose, dark eye. Height 1 ft..... .10

WHITLAVIA

A California plant, cultivated in Europe for many years. Of the easiest culture, producing in great profusion flowers not unlike those of the canterbury bell.

Grandiflora. Violet. Height ½ ft..... .10
Gloxiniodes. White and blue. Height ½ ft..... .10

STOCKS

These popular flowers are unrivalled for garden display and our strain of Giant Perfection is without doubt the finest obtainable, growing to a height of 2 feet, and producing long spikes of highly fragrant flowers and a larger percentage of double than any other strain grown.

CULTURE—For a splendid display in summer, sow in February and March, continuing to sow at intervals for a succession of bloom. Sow in June and July for winter cutting and even later than this in warm localities. The soil should be carefully prepared, three parts of light loam to one each of leaf mold and sharp sand, being an ideal mixture, though any good garden soil will do. Sift this and put the rougher parts in the bottom of the flats or pans. Then fill up with the finer part, allowing room for watering. Sow the seed thinly as a pinch of seed produces hundreds of plants. As soon as sown, cover with about one-eighth of an inch of fine soil and over this place a piece of burlap or old gunny sack and keep moist. Watch closely and remove the covering at once when the seedlings appear and gradually shift to sun to harden. In a few weeks, the little plants will be large enough to transplant.

GIANT PERFECTION TEN-WEEK	Height	Pkt.
Fiery Crimson	2 ft.	$0.15
Flesh Color	2 ft.	.15
Rose	2 ft.	.15
Light blue	2 ft.	.15
Dark blue	2 ft.	.15
Yellow	2 ft.	.15
White	2 ft.	.15
Mixed. ⅛ oz. 60c	2 ft.	.10
LARGE FLOWERED TEN-WEEK.		
Blood Red	2 ft.	.10
Brilliant Rose	2 ft.	.10
Crimson	1 ft.	.10
Light blue	1 ft.	.10
Purple	2 ft.	.10
White	1 ft.	.10
Mixed. ⅛ oz. 50c	1 ft.	.10
PRINCESS ALICE.		
Cut and Come Again (white)	1½ ft.	.15

Winter flowering Stocks. See perennial Section.

ZINNIA

(Youth and Age)

The Zinnia is so easily grown that it is apt to be left alone after sowing, to look after itself, and this it will do to an extent that is quite surprising. But give it the same attention that is given to other and less valuable flowers and there is nothing that can equa it for gorgeous beauty. Our Mammoth strain produces flowers as arge as the finest Dahlias, magnificent in petalage and of the brightest imaginable coloring. To get this splendid effect, prepare the soil with care and use plenty of well decayed manure which must be well incorporated as the digging proceeds. Then sow the seeds where they are to flower. The finest Zinnias are always from plants that have not been transplanted. Thin to 18 inches apart or less, if the soil is poor. Cultivate the ground between the plants regularly, give water in abundance in dry weather and grand results will be obtained. The flower asts a long time looking cheerful until the seed is quite ripe. The fact of the flowers remaining so long perfect has given the plant one of its common names "Youth and Old Age."

There is no better strain of Zinnias in existence than that offered.

GERMAIN'S MAMMOTH STRAIN OF ZINNIAS		Pkt.
Giant Burnt Orange, double	3 ft.	$0.15
" Canary Yellow	3 ft.	.15
" Crimson "	3 ft.	.15
" Rose Pink	3 ft.	.15
" Purple Shades	3 ft.	.15
" Salmon Pink	3 ft.	.15
" Scarlet "	3 ft.	.15
" White "	3 ft.	.15

Germain's Mammoth Strain Mixed. ¼ oz. 45c..... .10
Germain's collection of 8 giant zinnias..... 1.00
" **Dwarf. Double mixed** ..... 1 ft. .10

LILLIPUT MIXED. A perfect border plant. During the entire season these sturdy little plants, scarce a foot high, remain covered with a mass of perfectly shaped double flowers not over an inch across. They are exceedingly bright in color and make and ideal border..... .25

ZINNIA ELEGANS. Finest double mixed. 2 ft.. ½ oz. 45. .10

SEEDS OF CLIMBING PLANTS

Nothing lends such a charm to the home as vines and climbers. A vine clad porch or veranda on a hot day is a pleasant place. Vines soften ugly, hard lines in architecture, hide unsightly things in the garden, are beautiful in or out of flower and cannot be too freely planted. Many of the dwarfer kinds are nice for hanging baskets or for clothing parkways. Others are good for scrambling over old dead trees or posts. In short, there is no garden, no matter how small, in which vines do not play an important part in the scheme of decoration.

A—Annual **P—Perennial**

COLLECTIONS (Our Selection)

12 Beautiful Varieties, Climbing and Trailing Plants **$0.75**
6 Beautiful Varieties Climbing and Trailing Plants **$0.35**

ADLUMIA

ADLUMIA CIRRHOSA. P. The graceful Allegheny Vine; also Mountain Fringe. Pink. Height 8 ft ..... Pkt. **$0.10**

AMPELOPSIS

This is the well known Boston Ivy, a plant known from coast to coast. It clings with great tenacity to anything within reach of the little tentacles, produced from the stem. In summer, the foliage is deep green; in autumn it turns to the most delightful tints. The seed may be sown at any time of the year.

AMPELOPSIS. Veitchii (Japan Ivy). P. Height 50 ft ... .10

ANTIGONON

Planted in a sunny location, where it can ramble at will, there is not a more beautiful plant in existence than the Mexican Rosa de Montana. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant. Will not thrive in a shady position.

ANTIGONON LEPTOPUS ..... .15

ARISTOLOCHIA

A. elegans is the newer of the two and is a twiner with small leaves and gorgeously colored flowers, freely produced. It has none of the unpleasant odor complained of in the older Aristolochias. A. Sipho is not so remarkable for its flowers, but the foliage is grand, its great leaves of the deepest green being among the finest things known in horticulture.

Elegans. Hhp. Chocolate and durple. Height 30 ft .... .25
Sipho. (Dutchman's Pipe). P. Very odd-looking and interesting. Yellow and brown. Height 40 ft ..... .10

AUSTRALIAN PEA VINE

See Dolichos lignosus.

BALLOON VINE

BALLOON VINE. Hha. Bears a pretty, inflated capsule. White and green. Height 8 ft ..... .10

BIGNONIA

(Trumpet Vine). P. Sometimes classed with Tecoma. Robust, hardy. Very ornamental.

Radicans. Orange-scarlet. Height 15 ft ..... .10
Tweediana. Bright Yellow; evergreen. Height 20 ft ... .10

CALAMPELIS

(Eccremocarpus)

Scabra. P. Deep Orange. A valuable climber to cover trellises Height 6 ft ..... .10

CANARYBIRD FLOWER

CANARYBIRD FLOWER (Tropoeolum peregrinum). Hha. A charming annual vine with delicate foliage. Flowers yellow. Height 8 ft ..... .10

CARDINAL CLIMBER

Ipomea Hybrid. It is one of the most striking climbers yet introduced. Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers. A warm, sunny locality is best. Soak the seed in hot water over night, sow in boxes and transplant ..... .15

CLEMATIS

The beauty of the Clematis or Virgin's Bower is well known, but the plants are not as freely used as they ought to be. The new hybrid forms give a variety of color and size, some magnificent things having appeared among them, but there is not a single Clematis of any sort or kind that is not well worth its place in any garden. The seed takes a long time to germinate.

Jackman's New Hybrids. Mixed. Height 10 ft ..... .25

Among the newer strains of large flowering clematis there are none to surpass these famous hybrids. The flowers are of enormous size, in a wide range of colors especially rich in dark purple and blue.

Paniculata. Hardy perennial, massed with sweet scented white flowers ..... .10

CLIANTHUS

CLIANTHUS PUNICEUS (New Zealand Parrot's Bill). P. A very handsome climber. Bright scarlet. Hgt. 6 ft .15

COBAEA

P. Rapid-growing bell-shaped flowers.

Alba. White. Height 20 ft ..... .10
Scandens. Purple. Height 20 ft ..... .10

CONVOLVULUS

A. The well-known Morning-Glories. Pkt.

Major, Blue. Height 10 ft **$0.10**
Crimson. Height 10 ft ..... .10
Pink. Height 10 ft ..... .10
White. Height 10 ft ..... .10
Mixed. Height 10 ft ..... .10

CYPRESS VINE

(Ipomoea quamoclit). Hha. Well-known climbers, with handsome delicate foliage.

Scarlet. Height 8 ft ..... .10
Mixed. Height 8 ft ..... .10

DOLICHOS

Lablab. Hha. Mixed. Height 8 ft ..... .10
Lignosus (Australian Pea). P. Rose and purple; one of the best climbers for a hot, dry climate. Height 15 ft ... .10
Lignosus Alba. A white form of the above ..... .10

HUMULUS

The Hop Vine is one of the quickest growers that we have and very beautiful. It rapidly covers arbors, fences or porches and is beautiful even when allowed to ramble at will about a pole or dead tree stumps. Sow in spring where plants are needed.

Japonicus (Japanese Hop). A. Height 20 ft ..... .10
Japanese Variegated ..... .10

IMPERIAL JAPANESE MORNING GLORY

Hha. Mixed, all colors. Very large. Height 30 ft ..... .10

IPOMOEA MEXICANA ALBA

IPOMOEA

Heavenly Blue. Hha. Light blue. Hgt 15 ft **$0.10**
Leari (Blue Moon-flower). P. Splendid. Height 25 ft ... .10
Mexicana grandiflora alba (True White Moon-flower). Hhp. Height 30 to 40 ft ..... .15
Setosa. (Brazilian Morning glory.) A rapid growing vine of unique subtropical appearance. Large lobed leaves and beautiful rose colored flowers with satiny pink center ..... .15

KUDZU VINE

KUDZU VINE P. (Pueraria Thunbergiana). One of the most rapid-growing vines known. Will grow 50 feet in one season. The leaves are very large, making it a suitable for plant covering arbor, trellis, etc. Slow in germinating, soak seed in hot water over night. Flowers are pea-shaped and rosy purple in color..... .10

SEEDS OF CLIMBING PLANTS

LATHYRUS

Free flowering, perennial climbers, excellent for covering fences, old stumps, trellises, etc. Flowers are similar to sweet peas and are even more showy, but are lacking in fragrance.

	Pkt.
LATHYRUS LATIFOLIUS (Everlasting Pea). Rose. Height 6 ft	$0.10
LATHYRUS LATIFOLIUS. Mixed. Height 6 ft	.10
" " White " "	.10

MANDEVILLEA

MANDEVILLEA SUAVEOLENS (Chili Jasmine). P. Very fragrant. White. Height 15 ft	.10

MAURANDIA

MAURANDIA. White. Hhp. Height 8 ft	.10
Purple. Height 8 ft	.10
Fine Mixed. Height 8 ft	.10

MINA

One of the prettiest vines. An annual that usually reproduces itself from seed when planted. The blossoms are elegant, yellow and red and produced with the greatest freedom. Not sufficiently known. Try it.

MINA LOBATA. Height 15 ft	.10

NASTURTIUM (TALL)

Thrives well in poor soil and covers quickly fences or bare spots in the landscape. See list of varieties in annual flower section giving full description.

PASSION FLOWER

WISTARIA

PASSIFLORA

The well known Passion Flower, a splendid climber, thriving anywhere. The flowers are produced with great freedom all along the vine and while there is a great variety of colors, every one is beautiful.

	Pkt.
Coerulea. P. Blue. Height 8 ft	$0.10
Edulis. P. Mauve; edible fruit. Height 8 ft	.25
Rosacea (incarnata). Tall; rose-pink	.25
White. Hhp. Three-angled stem; edible. Height 8 ft.	.25
Fine Mixed. Height 6 to 8 ft	.10

PHASEOLUS

PHASEOLUS CARACALLA (Snail Vine). Hhp. Lilac-purple shaded white. Height 8 ft	.10

SMILAX

SMILAX. P. White; very useful for festooning. 6 ft.	.10

TACSONIA

This resembles the Passion Flower but is if anything more ornamental. The growth is extra robust and the large flowers hang pendant from it, making it especially suitable for arbors or roofs of porches. The colors are variable, but usually some shade of red, scarlet shades being extremely telling and effective.

	Pkt.
Ignea. Red	$0.25
Pink	.25
Mixed. Height 6 ft	.10

THUNBERGIA

The best vine for windows and hanging baskets. It has deep, green leaves on scandent stems and the flowers are yellow or buff, with deeply colored eyes. One of the very best.

	Pkt.
THUNBERGIA ALATA. Hha. Free bloomer of rapid growth; flowers of white and yellow shades, with striking black centers. Mixed Height 6 ft	$0.10

WISTARIA

	Pkt.
WISTARIA SINENSIS. P. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters in early spring. Light blue. Height 50 ft	$0.15

GERMAIN'S GIANT SPENCER SWEET PEAS

Germain's 1927 Novelties, see page Sixty-three

	Pkt.	Oz.
DEFIANCE. A new scarlet, large, vigorous and absolutely burnless	$0.25	$1.50
HEBE. Large bright pink. A rich clear color. Long stemmed. A splendid variety	.15	.60
TANGERINE. The last word in orange—colored sweet peas Resembling closely the Tangerine in color	.25	1.50
ASTA OHN. Lavender, tinted mauve	.10	.40
BLANCHE FERRY. Select, bright rose and white	.10	.40
COUNTESS SPENCER. Light pink, shading darker towards the edges	.10	.40
EDITH TAYLOR. Rose salmon	.10	.40
FIERY CROSS. A scorching fiery red color exquisitely waved and will not burn or fade during intense sunshine	.10	.40
FLORADALE PURPLE. Rich rosy purple	.10	.40
FLORA NORTON. Clearest and most pronounced blue	.10	.40
HERCULES. Rose pink. Immense flowers, long stems and a beautiful, rich, clear, rose color, very vigorous and a free bloomer	.10	.40
ILLUMINATOR. A glowing cerise-salmon with an indication of bright, orange, which glistens in the sunlight. Flowers large and wavy	.10	.40
KING EDWARD. Carmine scarlet	.10	.40
KING WHITE. The best Spencer White ever produced	.10	.40
MARGARET ATLEE. A rich glowing pink softly suffused with salmon. Flowers extraordinary size, exquisitely waved and freely produced on long stems	.10	.40
MRS. TOM JONES. Bright delphinium blue	.10	.40
OTHELLO. Rich, deep maroon	.10	.40
PRIMROSE SPENCER. The color is a pronounced creamy yellow, with beautiful crinkled wings	.10	.40
ROYAL PURPLE. A beautiful Royal Purple, large size and good form	.10	.40
ROYAL SCOT. A scarlet of exceptional brilliancy	.10	.40
STERLING STENT. Glowing salmon orange	.10	.40
SPENCER MIXED. Per ¼ lb. 90 cents; per lb. $3.00	.10	.30

NEW GIANT WINTER SPENCER VARIETIES

The principal advantage of this new type of sweet peas is their early flowering habit. They are especially valuable for winter flowering but they are equally successful in spring and summer and flower several weeks in advance of the Spencer if planted at the same time.

VARIETIES OF RECENT INTRODUCTION

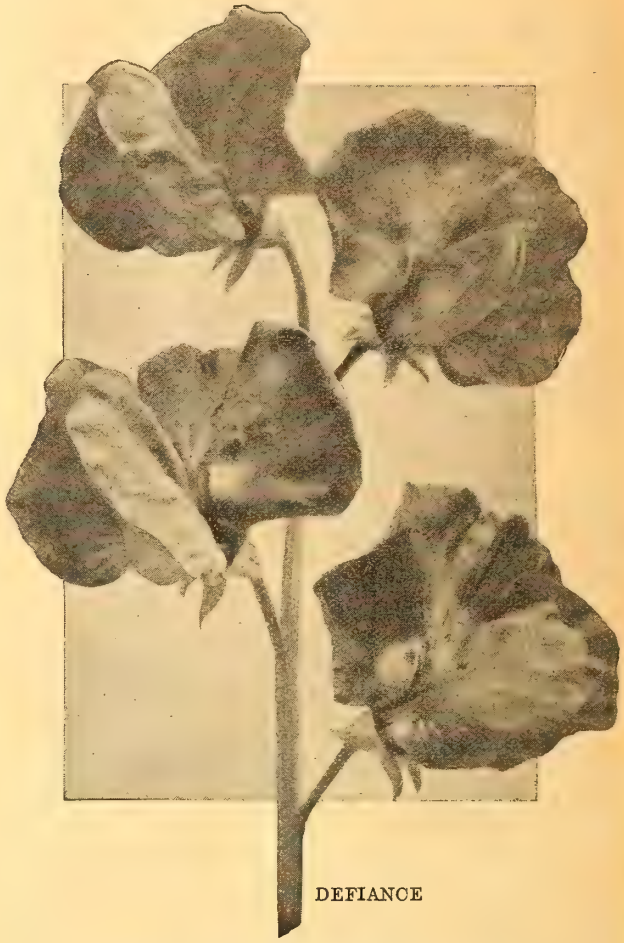
	Pkt.	Oz.
GRENADIER. The most brilliant scarlet	$0.25	$1.50
HARMONY. Splendid large lavender	.15	.90
STARLIGHT. Silvery blue	.25	1.50
ROSE DORE. Beautiful soft rose pink, delicately suffused with salmon	.25	1.50
Collection—One each of the four sorts	.75	
ALL WHITE. Giant white	.15	.90
AMETHYST. Royal purple	.15	.90
ASTA OHN. Lavender	.15	.90
BLUE BIRD. Fine deep blue	.15	.90
COLUMBIA. Large wavy pink and white	.15	.90
CREAM. Rich cream color	.15	.90
FIRE KING. Deep orange scarlet	.15	.90
GORGEOUS. Soft salmon rose	.15	.90
GLITTERS. Glittering cerise	.15	.90
HERCULES. Mammoth rose	.15	.90
ILLUMINATION. Splendid salmon cerise	.15	.90
LAVENDER KING. Clear lavender	.15	.90
MISS LOUISE GUDE. Brilliant pink	.15	.90
OTHELLO. Velvety deep maroon	.15	.90
RED ORCHID. (Xmas red)	.15	.90
ROSE CHARM. Bright rose	.15	.90
SNOWSTORM (Improved). A popular pure white	.15	.90
SONGSTER. Lavender	.15	.90
THE BEAUTY. Dark fiery rose	.15	.90
WHITE ORCHID. Pure white	.15	.90
ZVOLANEK'S ROSE. Excellent rose pink	.15	.90
GERMAIN'S BLEND WINTER SPENCER MIXED, ½ oz., .40; lb., 2.25	.15	.75

Germain's Dollar Collection of Giant Spencer Sweet Peas, - - $1.00

Asta Ohn, Blanche Ferry, Countess Spencer, Edith Taylor, Hercules, King Edward, Floradale Purple, Othello, Primrose Spencer, Sterling Stent, Mrs. Tom Jones, King White.

Sunset Collection of Spencer Sweet Peas, - $0.50

Asta Ohn, Hercules, Illuminator, Primrose Spencer, Royal Purple, White Spencer



DEFIANCE

GRANDIFLORA SWEET PEAS

GRANDIFLORA LARGE-FLOWERING MIXED. ½ oz. packet 10 cents, ounce 15 cents, ¼ pound 50 cents, pound $1.75

CUPID OR DWARF BEDDING. Pkt. 10 cents, oz. 25 cents, lb. .. $2.50

CHRISTMAS SWEET PEAS. Grandiflora Type. Pkt. 10 cents, oz. 30 cents. Pound $3.00

GERMAIN'S STANDARD DOZEN GIANT WINTER SPENCERS Amethyst, Asta Ohn, Cream, Othello Songster, Rose Charm, Gorgeous, Hercules, Illumination, Red Orchid, The Beauty, White Orchid $1.50

HOW TO GROW SWEET PEAS

Sweet peas are deep rooting. The soil where they are to be planted should be dug to a depth of eighteen inches. They are also gross feeders and a liberal amount of fertilizer will insure luxuriant growth and large flowers. Dig the fertilizer well under and see that the soil has settled and is firm before the seeds are planted. This result can be quickly obtained by tramping and watering. The seeds are usually sown in shallow trenches about three inches deep and covered only one or 1½ inches. The balance of the earth is filled in after the young plants have grown a few inches. In certain heavy soils it is best not to cover the seed more than one inch at any time. Seeds may be spaced one or two inches apart in the trench and the young plants gradually thinned to six inches to prevent crowding.

A support for the vines must be provided early. They require a liberal amount of water. The flowers must be gathered often and should any seed pods form, these must be immediately removed to insure a prolonged blooming period.

In growing sweet peas out of season, the vines are protected with cheese cloth or other light material. If the cloth is stretched above the plants it provides sufficient protection against strong sunshine in summer

ORNAMENTAL GRASSES

Most of these, if cut before they are quite ripe, will be useful in winter bouquets or with everlasting flowers.

A. Annual. P. Perennial. Sow in boxes in February or March; when large enough, transplant.

	Pkt.
AGROSTIS NEBULOSA. A. Very graceful and fine for vases or bouquets. Height 1 ft	$0.10
AGROSTIS PULCHELLA. A. Very graceful and fine for vases and bouquets. Height 1 ft	.10
BRIZA MAXIMA. A. (Quaking Grass) Well known and highly prized for bouquets of dried flowers and grasses. Height 1½ ft. Oz. **60c**	.10
BRIZA GRACILIS. A. Slender; fine for bouquets. Height 1 foot	.10
COIX LACHRYMA. Job's Tears. Oz. **15c**	.10
COIX LACHRYMAE AUREA ZEBRINA. A novel form of the popular Job's tears being prettily striped with yellow	.10
CYPERUS ALTERNIFOLIUS. (Umbrella Plant)—May be grown as a pot plant, in the garden, or as a sub-aquatic Should always receive a liberal supply of water	.25
ERAGROSTIS ELEGANS (Love Grass). A. Has beautiful dancing spikelets; good for bouquets. Height 1 ft	.10
EULALIA JAPONICA (Japan Plume Grass). P. Very effective in groups. Height 6 ft	.10
FESTUCA GLAUCA. P. Very neat and compact; fine for edgings to ribbon beds and borders. Height ½ ft.	.10
ISOLEPIS GRACILIS. P. Very pretty rush-like grass for hanging baskets and pot culture. Height 1 ft	.10
LAGURUS OVATUS (Hare's Tail Grass). Fine for bouquets. Height 2 ft. ½ oz. **45c**	.10
PENNISETUM LONGISTYLUM. Very effective in groups, graceful plumes of greenish white	.10
PENNISETUM RUEPPELIANUM. (Purple Fountain Grass). green leaves and purple plumes. A grand border for a bed of cannas or other tall plants	.10
RAINBOW MAIZE. Striped in four colors, very ornamental for large clusters. Height 4 ft	.25
STIPA PENNATA (Feather Grass). P. Universally admired in bouquets. Height 2 ft	.10
TRICOLAENA ROSEA. P. Very pretty, with rosecolored panicles. Height 3 ft	.10
UNIOLA LATIFOLIA (Sea Oats). P. Very ornamental. Height 4 ft	.10
ZEA JAPONICA FOL. VARIEGATA (Striped Japanese Maize). Hha. Very ornamental. Height 4 ft	.10
MIXED GRASSES. ½ oz. **45c**	.10

EVERLASTING FLOWERS

Collections

OUR SELECTION

6 Fine Packets.	Value 60 cents	$0.40
10 Fine Packets.	Value $1.00	.75
15 Fine Packets.	Value $1.50	1.00

These are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry.

	Pkt.
ACROCLINIUM.	
Pink, double. Fifty per cent double flowers. Height 1 ft	.10
White, double. 50 per cent double flowers. Height 1 ft	.10
Mixed, double. Oz. **75c**	.10
AMMOBIUM ALATUM. White. Height 1 ft	.10
GLOBE AMARANTH. (Gomphrena)	.10
Purple. Height 1 ft	.10
Flesh	.10
Rose	.10
White. Height 1 ft	.10
Fine mixed. Height 1 ft. Oz. **60c**	.10
HELICHRYSUM (Straw Flower). Height 2 ft.	
Brown, double	.10
Crimson double	.10
Fireball, double	.10
Pink, double	.10
Purple, double	.10
Salmon-rose, double	.10
White, double	.10
Yellow, double	.10
Mixed, double. ½ oz. **45c**	.10
RHODANTHE. Double Rose	.10
RHODANTHE. Mixed. Height 1 ft. ¼ oz. **30c**	.10
STATICE.	
Dark blue or purple	.10
Lavender	.10
Rose	.10
White	.10
Yellow	.10
Mixed. Oz. **75c**	.10
Suworowii, slender spikes of bright rose	.10
Caspia, feathery spikes of lavender blue	.25
Latifolia, Sea lavender. Producing panicles of minute lavender flowers	.10
XERANTHEMUM. Double, mixed. Height 2 ft	.10

ORNAMENTAL GOURDS

Collections

OUR SELECTION

6 Fine Varieties.	Value 60 cents	$0.40
10 Fine Varieties.	Value $1.00	.75
16 Fine Varieties.	Value $1.60	1.00

Cucumber Snake (Cucumis Flexuosus)	$0.10
Wild Cucumber. Very curious. Height 4 ft	.10
Apple Shaped. Height 10 ft	.10
Bottle-shaped. White flowers. Height 10 ft	.10
Calabash-shaped, or Pipe. Height 10 ft	.10
Dipper. Height 10 ft	.10
Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft	.10
Egg Shaped. "Nest Egg." Height 10 ft	.10
Gooseberry. Smallest. Height 10 ft	.10
Hercules Club. Fruits 7 to 8 ft. in length. Height 15 ft.	.10
Orange Shaped. (Mock Orange). Height 15 ft	.10
Pear Shaped. Height 10 ft	.10
Serpent (Trichosanthes Colubrina). Very long and coiled. Height 10 ft	.10
Sugar Trough. Enormous, holding several gallons. Height 15 ft	.10
Turks Turban	.10
Finest Mixture. Oz. **45c**	.10
MOMORDICA	
Balsamina. "Balsam Apple" Height 6 feet	.10
Charantia. "Balsam Pear." Height 5 ft	.10

The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.

PERENNIALS

Our Selection 12 Fine Varieties of Perennial Flower Seeds. $1.00 **Our Selection 6 Fine Varieties of Perennial Flower Seeds. $0.50**

The very word "Perennial" conjures up old time memories of old fashioned plants, lovely old gardens with borders, semi-neglected, perhaps, but always overflowing with flowers; gardens where one can cut sheaves and armfuls of flowers without their being missed, where every day in the year, there is something new. Giant blue Larkspurs look over garden walls or fences; Lilies invite one into the garden by their grateful perfume, while in the spring, the tender shoots pushing through the soil are almost as beautiful and equally interesting as the flowers. In autumn, Chrysanthemums, Dahlias, Asters and Foxgloves brighten the shortening days, while even the decaying foliage of those which have been so glorious during the summer is not without its charm. This is not the place for the tidying up gardener. It is "Grandmother's Garden", a garden of sweet things, of memories, of beauties unknown to those who only look for glaring displays and hard color outlines. And all these can be had by anyone who will take the little trouble to plant a few seeds, for nearly all these precious plants can be raised from seed, as easily as a pansy. Especially in the Southland, is this phase of gardening neglected, just where it ought to be most popular.

COLLECTIONS

ONE PACKET OF EACH OF THE HARDY PERENNIALS LISTED BELOW FOR $1.75. REGULAR VALUE $2.25

ANEMONE CORONARIA. Mixed. Height 1½ ft.
ANTIRRHINUM (Snapdragon). Mixed colors. Height 2 ft.
AQUILEGIA (Columbine). Mixed best varieties. Height 2 ft.
CENTAUREA CANDIDISSIMA (Dusty Miller). Height 1½ ft.
COREOPSIS LANCEOLATA. Bright gold. Extremely desirable. Height 2 ft.
DELPHINIUM ELATUM (Bee Larkspur). Mixed blue. Hgt. 2ft.
DIGITALIS (Foxglove). Best variety, handsome markings, 3 ft.
DIANTHUS (Hardy Pinks). 3 packets. Three different varieties of rich and handsome colorings. Height 1 ft.
GEUM, Mrs. Bradshaw. Orange scarlet. 1½ ft.
FRENCH HONEYSUCKLE. Red and white mixed. Hgt. 3 ft.
GAILLARDIA (Blanket Flower). Finest mixed. Height 2 ft.
HONESTY. An old fashioned flower with a curious seed pod. Flowers pink, purple and white. Height 1½ ft.
IPOMOPSIS (Texas Plumes). Scarlet and gold. Height 3 ft
HUNNEMANNIA (Yellow Tulip Poppy). With crinkled petals. Height 2 ft.
MARVEL OF PERU (Four o'clock). Large flowering mixed. Two ft.
PENTSTEMON GRANDIFLORA. Finest mixed. Height 2 ft.
PYRETHRUM ROSEUM. Single finest mixed. Height 2 ft.
ROSE CAMPION (Agrostemma Coronaria). Crimson flowers. Height 1½ ft.
SWEET ROCKET (Dame's Violet). Sweet scented mixed, 1½ ft.
SWEET WILLIAM. Finest varieties single and double mixed. Height 1½ ft.
VINCA (Periwinkle). Mixed colors. Height 2 ft.
WALLFLOWER. Fragrant. Finest varieties mixed. Hgt. 2 ft.

ACONITUM

Pkt.

MONK'S HOOD or WOLFBANE. For shady corners. Blue flowers. Three to five feet high..... .10

AGATHAEA

COELESTIS (Blue Marguerite). Excellent border plant, producing almost continually an abundance of daisy-like flowers. The color is a beautiful blue, known as "Mazarine blue" ..... .10

ALYSSUM

Must not be confounded with the Sweet Alyssum. A lovely plant with golden yellow flowers. Grows anywhere. Pkt.
ALYSSUM SAXATILE. B. Beautiful yellow. Hgt. ¾ ft. $0.10

ANCHUSA

ANCHUSA CAPENSIS (Cape Alkanet). B. Azure-blue, free-blooming biennial. Height 1½ ft..... .10
ITALICA DROPMORE VARIETY. A handsome perennial plant 3 to 5 ft. tall. Flowers rich gentian blue..... .15

ANEMONE

ANEMONE CORONARIA (Windflower). Beautiful, early spring-flowering plants. Mixed. Height ½ ft..... .10

ANTIRRHINUM

The old-fashioned Snapdragon, one of the hardiest and best perennials, flowering the first year from seed.

LARGE FLOWERING SEMI DWARF. The best for bedding or borders. Pkt.
Black Prince. Nearly black; small dark leaves..... .10
Cottage Maid. Delicate pink tinged salmon; white throat .10
Crimson King. Rich deep crimson..... .10
Defiance, Scarlet ..... .10
Golden Queen. Large golden yellow..... .10
Queen of the North. Pure white.....
Rose Queen. Bright rose pink..... .10
Silver Pink. An exquisite shade of light pink..... .10
Large Flowering Semi-dwarf Mixed. ¼ oz. 40c..... .10
Collection: 1 Pkt. each of 8 colors..... .70

GIANT VARIETIES. 2 to 3 ft. in height.
Defiance. Fiery Scarlet..... .10
Delila. Carmine Rose, white throat..... .10
Fire King. Scarlet and orange..... .10
Galathea. Crimson, white throat..... .10
Pink. Clear pink..... .10
Ruby Rose. Rose, tinted ruby red..... .10
White. Tall snow white..... .10
Yellow. Golden yellow, lighter throat..... .10
Tall Giant Mixed. ¼ oz. 30..... .10
Collection: 1 Pkt. each of 8 colors..... .70

ARABIS

One of the first flowers of spring, better known as "Snow on the Mountain". Comes easily and freely from seed and produces a white sheet of flowers, fragrant and delightful. Fine for rock-work.
ARABIS ALPINA White. Height ½ ft..... .10

AQUILEGIA

The old-time Columbine, a delightful plant in every respect, native to America, but much improved by cultivation and selection. Our Rocky Mountain Columbine is one of the finest of all, with its long caudate spurs and charming coloring. Every color is represented in such lovely combinations as to win the admiration of all.
Chrysantha. Yellow. Height 2 ft..... .10
Coerulea (Colorado State Flower) blue..... .25
Long Spurred Pink..... .25
Long Spurred Hybrids. Mixed..... .25
Double Mixed Hybrids. Very fine. Height 2 ft..... .10
Single Mixed. Height 2 ft..... .10

ARMERIA

ARMERIA. The Sea Pink, an edging plant without an equal; fine foliage even after the flowers are gone, always attractive..... .10

ASPARAGUS

Sprengeri. A fine ornamental plant for hanging baskets. .10
Plumosus. A fine pot-plant; 100 seeds 85 cents..... .10

ASPERULA

ASPERULA ODORATA (Woodruff). Very fragrant. Ht. ½ ft. .10

AURICULA

AURICULA. Finest English hybrids; from the finest collection. Fine deep colors, variously margined. Good for pot culture. Height ½ ft. ..... .25

BEGONIA

The tuberous rooted Begonia is one of the finest greenhouse plants. Sow in early spring, in fine sterilized soil, leaf-mold and sand. Cover the seeds very slightly and place a sheet of glass over each pan or flat until the young plants are up. Prick off singly as soon as large enough to handle and place in small pots when ready, potting into the larger sizes as they fill the smaller with roots.
Tuberous-rooted. Double mixed $0.50
Tuberous-rooted. Single mixed ..... .50

BEDDING OR BORDER BEGONIAS.

Easily grown from seed. The bedding begonias thrive and bloom admirably in shady locations. The seed is very small. Sow in boxes in sifted soil and do not cover but press lightly into the surface.
Luminosa, fiery dark scarlet. Dark foliage ..... .25
Prima Donna. Pink. Fine for pot plant ..... .25
Erfordia. Bright Rosy Carmine..... .25
Vernon. Bright Orange Carmine flowers, deep red foliage .25
Semperflorens Alba. White..... .15
Semperflorens Rosea. Pink..... .15
Semperflorens Mixed..... .15

PERENNIALS

BELLIS

The popular **Double English Daisy.** Very useful for edgings. Pkt.

Longfellow. Large, rose. Height ¼ ft. $0.10
White. ..... .10
Mixed. Fine. Height ¼ ft. ..... .10
Red, Mammoth. Height ¼ ft. ..... .25
Rose, Mammoth ..... .15
White Mammoth ..... .15
Mammoth Mixed ..... .15

CACTUS

CACTUS. Saved from the best and most distinct species. Finest mixed. Height ½ to 4 ft. ..... .15

CAMPANULA

This includes the Bell Flowers and the delightful old Canterbury Bells. Easily grown, free flowering plants that can be raised from seed in less than six months. Sow in August for spring flowering and again in the spring. (Bellflower). (See also Canterbury Bells.) Pkt.

Carpatica. Blue. (Carpathian Harebell). Height ¼ ft. .. $0.10
Pyramidalis. Blue. (Chimney Bellflower) Height 3 ft. .. .10

CANNA

CANNA. Handsome plant for lawn decorations and for backgrounds. Soak seed in tepid water twenty-four hours before sowing.

New French Hybrids. Mixed. Height 4 ft. ..... .10

CANTERBURY BELLS

B. Very handsome border perennials of great utility, and deservedly popular favorites. They are called "Hose in Hose" or "Cup and Saucer" Canterbury Bells.

SINGLE		DOUBLE	
Blue	$0.10	**Blue**	$0.10
Rose	.10	**Rose**	.10
White	.10	**White**	.10
Mixed. ¼ oz. **40c**	.10	**Mixed.** ⅛ oz. **30c**	.10

CALYCANTHEMA. (Cup and Saucer)

Blue	$0.15	**White**	$0.15
Rose	.15	**Mixed.** ⅛ oz. **35c**	.15

CARNATION

Our seed is saved from the finest kinds selected, especially for bright coloring, size and fragrance. The Marguerite forms are smaller but flower in a shorter time from seed.

PERPETUAL, or TREE. Height 2 ft.

Purple ..... .25
Rose ..... .25
Scarlet ..... .25
White ..... .25
Yellow ..... .25
Collection of 5 colors 1.00
Mixed, all colors ..... .25

MARGUERITE. Very fragrant, high percentage of doubles, the quickest to bloom from seed, flowering in 4 or 5 months.

Rose Pink	$0.10	**White**	$0.10
Red	.10	**Mixed.** ¼ oz. **60c**	.10

DOUBLE BORDER CARNATIONS. A good hardy strain of dwarf habit, excellent for beds or borders, being free and continuous bloomers compact in growth.

Red	$0.15	**White**	$0.15
Rose	.15	**Mixed**	.15
Violet	.15	**Collection of 4 colors**	.50

CENTAUREA

Dusty Miller). Fine plants for borders.

Candidissima. White foliage. Height 1 ft. ..... .10
Gymnocarpa. Height 1 ft. ..... .10

CERASTIUM

CERASTIUM TOMENTOSUM (Jerusalem Star). White leaves; trailer; useful for edging and rockwork ..... .15

CHRYSANTHEMUM

Frutescens. (Paris Daisy or Marguerite). B. White, yellow eye. Height 2 ft. ..... .15
Leucanthemum hybrid (Shasta Daisy); White, yellow center; flowers four inches in diameter; valuable for cutting. Height 2 ft. ..... .10
Indicum (Chinese). Mixed. Height 3 ft. ..... .25
Nanum (Pompone). Mixed. Height 2 ft. ..... .25
Japonicum (Japanese). Mixed. Height 3 ft. ..... .25

CINERARIA

CINERARIA MARITIMA CANDIDISSIMA. Silvery foliage, very useful for ribbon beds and borders. Height 1 ft. ..... .10

CLIANTHUS

CLIANTHUS DAMPIERI (the Australian Glory Pea). A magnificent flower, scarlet, with black center. Water sparingly after sowing. Height 4 ft. ..... .15

COLEUS

Gorgeous leaved plants, suitable for bedding out or indoor use. The coloring in our large leaved varieties is not excelled by even the finest Caladiums, while the variety in tints is remarkable. The Coleus likes plenty of sun, ample moisture and rich, light soil to bring out its best points. Sow in March. Pkt.

New large-leaved. Very fine. Height 2 ft. $0.25
Finest Mixed. Height 2 ft. ..... .15

See page 82

PERENNIALS

COREOPSIS

The best golden yellow composite, fine for cutting or for garden decoration. It comes easily and quickly from seed and flowers very freely. Sow several times in the year for a succession of bloom. See page 80. Pkt.

Lanceolata. B. A beautiful plant, with lance-shaped leaves and showy bright flowers 2 or 3 inches in diameter. Yellow. Height 2 ft. Oz. **60c** **$0.10**

CUPHEA

CUPHEA PLATYCENTRA (the Cigar Plant). Pretty tubular flowers. Scarlet and black. Height 2 ft..... .10

CYCLAMEN

One of the most popular of greenhouse plants and deservedly so. The seed should be sown in autumn, any time from August to November, and again in the spring for a succession of flowers. During the last ten years, the strains have been greatly improved by European hybridists. We constantly add the finest varieties and there is nothing better than our strain in existence. The seeds should be dibbled in half an inch deep and 1 inch apart. Hh. Pkt.

Persicum giganteum. Fine mixed. Height ¾ ft..... .25

DAISY See Bellis.

DAISY, SHASTA. See Chrysanthemum, page 81.

DAHLIA

While Dahlias are more frequently raised from tubers than seed, there is great interest in growing some seedlings, as there is always the chance of getting something novel and distinct among them. Both single and double, also the Pompon and Cactus forms can be grown this way. Sow in February and March, under glass, or in April in the open ground. Watch carefully for slugs and small snails, as these will ruin hundreds of the young plants in a night, if allowed to. Something in the Dahlia is very attractive to these pests. Hh.

Pkt.

Large-flowered double, best quality mixed. Height 5 ft..... **$0.15**
Cactus. Mixed colors. Height 5 ft..... .25
Pompon. Small bouquet, mixed. Height 4 ft..... .25
Single, Mixed. Height 5 ft..... .10

DELPHINIUM

The perennial larkspur is possibly the finest herbaceous plant in existence, rivaling even the Peony. The plants thrive in any soil and situation, withstand frost and heat and are always the central attraction in the hardy perennial border. The blue forms are superb, while the scarlet, though not quite as hardy as the others, is extremely showy. Sow in autumn and again in spring.

Pkt.

Cardinale (Scarlet Larkspur). Bright scarlet. Height 3 to 5 ft..... **$0.10**
Bella Donna. Clear turquoise blue..... .25
Bellamosum. Tall deep blue, Belladonna type..... .25
Chinensis Blue Butterfly. Fine dark blue, quick to flower and excellent for cutting..... .10
Chinensis Mixed. Splendid for bedding, containing all shades of blue to white..... .10
Hybridum. Double, extra choice mixed. Height 3 ft.. .15
Gold Medal Hybrids. The finest strain of mixed hybrids. The plants are of strong vigorous habit and produce large spikes of delicately shaded flowers mostly in the lighter blue tints..... .25

DIANTHUS

Belongs to the same family as the Carnation. Pretty and easily grown plants, coming freely from seed and liking a light, sunny position. Sow at any time. Pkt.

SINGLE PINKS. Crimson Belle. Velvety crimson..... .10
Queen of Holland. Pure white..... .10
Heddewigii (Single Japan Pink). Finest Mixed. ¼ oz. **30c** .10
Heddewigii Laciniatus (Single fringed pink) mixed..... .10
Plumarius (Single Florists. Pheasant's eye or Hardy Garden Pink). Delightful odor. Fringed edged flowers of many colors..... .10

DOUBLE PINKS.
Fireball. Rich glowing red..... .10
Mourning Cloak. (White Frill). Dark velvety crimson, margined white..... .10
Purity. Beautiful double white..... .10
Heddewigii fl. pl. (Double Japan Pink) double mixed. ½ oz. **45c**..... .10
Chinensis fl. pl. (Double China or Indian Pink) very double, colors varied and bright. ½ oz. **45c** ..... .10
Diadematus Albus, fl. pl. Double white..... .10
Diadematus, fl. pl. (Double Diadem Pink). Finest mixed .10
Laciniatus, fl. pl. (Double Fringed Pink). Large double fringed, all colors, mixed..... .10
Imperialis, fl. pl. (Imperial Pink). Double mixed..... .10
Mixed Hybrids. Single and double in all varieties, mixed.. .10
Collection of 10 choicest varieties..... .75

DODECATHEON

DODECATHEON MEDIA (American Cowslip). Lilac. Fine for rockwork, etc. Height ½ ft..... .10

DELPHINIUM

DIGITALIS

The Foxglove is one of the oldest garden plants and a favorite everywhere. Produces tall, showy spikes of pretty, showy flowers in a great variety of color. Pkt.

DIGITALIS GLOXINOIDES (Foxglove). Fine mixed. 3 ft **$0.10**

ERIGERON

ERIGERON. Bluish lilac daisies. Producing a mass of flowers nearly all the year around. Good winter flowers. Height 2 ft..... .10

ERYNGIUM
(Sea Holly)

PLANUM. Can be dried for winter boquets. Produces handsome thistle-like heads of gray-blue flowers..... .10

ERYTHRINA

CRISTA-GALLI (Coral Tree). Dark red. A handsome decorative plant for shrubbery. Hgt. 6 ft..... .25

EVENING PRIMROSE See Oenothera

FERNS

All species mixed; choicest varieties. ½ to 2 ft..... .15

FORGET-ME-NOT See Myosotis

DICTAMNUS

The Fraxinella or Burning Bush possesses the peculiar property of giving off a volatile oil or gas that ignites and flashes up for a second or so when a lighted match is applied, without injury to plant. A pretty, herbaceous plant, worthy extended culture.

FRAXINELLA (Burning Bush). Red; handsome. The seed is slow to germinate. Height 2 ft..... Pkt. **$0.10**

FREESIA

FREESIA REFRACTA ALBA. B. Well-known bulbous plants, blooming in one year from seed. White. Height ¾ ft..... Pkt. **$0.10**
RAINBOW MIXTURE Many beautiful shades..... .25

FRENCH HONEYSUCKLE

FRENCH HONEYSUCKLE (Hedysarum coronarium). Red and white mixed. Hardy, profuse-blooming. Succeeds well near the seaside. Not to be confounded with the climbing Honeysuckle. Height 3 ft..... .10

PERENNIALS

GAILLARDIA

(Blanket Flower). B. Showy border plant. Pkt.
Grandiflora. Splendid mixed. Height 1½ ft. ½ oz. **45c** .. $0.10
Maxima. Golden yellow. Height 2 ft ..... .10
Lorenziana. Double, mixed colors. Height 1½ ft. ½ oz. **45c** .10
Picta. Red and yellow. Height 1½ ft. ½ oz. **30c** ..... .10

GENTIANA

GENTIANA ACAULIS. An alpine plant of great beauty; fine for borders and rock work; intense blue. Height ¼ ft .10

GERANIUM

B. Seed saved from best varieties of all kinds
Zonale, Single. Finest mixed. Height 5 to 6 ft ..... .10

GERBERA

The original form of this fine composite was bright red, but we have now almost all colors. Comes rather slowly from seed, but well worth waiting for. Sow at intervals all through the spring and summer. See adjoining engraving.
Jamesoni (Transvaal Daisy). The Scarlet Daisy of South Africa ..... Pkt. $0.25
Hybrids. Mixed Colors ..... .25

GEUM

Mrs. Bradshaw. The double Mrs. Bradshaw is undoubtedy the finest Geum produced. The flowers are large and full, of a beautiful orange scarlet color, blooming from April to September. A harby perennial. Height 18 inches ..... .10
Lady Stratheden. This new geum is the exact counterpart of the popular Mrs. Bradshaw except in color. The shade is a clear golden yellow harmonizing admirably with the deep orange of the older variety ..... .25

GLOXINIA

GLOXINIA HYBRIDA. T. A beautiful greenhouse perennial bulb. Seed saved from the finest erect and drooping varieties. Finest mixed. Height 1 ft ..... .25

GOLDENROD See Solidago.

GYPSOPHILA

GYPSOPHILA PANICULATA. B. Very graceful, flowering in panicles, and excellent for cut-flowers. White. Height 1½ ft. See also Annuals ..... .10

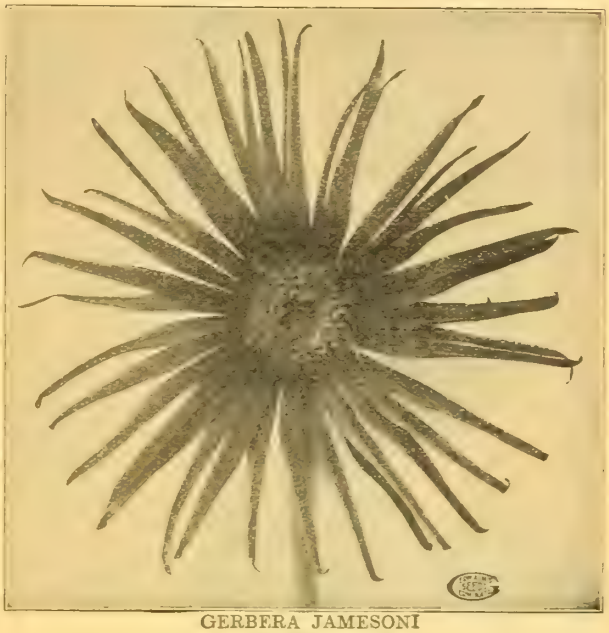
HELIOTROPIUM

HELIOTROPIUM (Cherry Pie). Deliciously fragrant, also fine for pot culture. Finest mixed. Height 6 ft ..... .10

HEUCHERA

B. Allied to the Saxifragas; very graceful valuable for cut-flowers.
Alba. White. Height 1 ft ..... .15
Sanguinea. Crimson. Height 1 ft ..... .15

GEUM MRS. BRADSHAW



GERBERA JAMESONI

HIBISCUS

Well-known showy perennial shrubs with brilliant flowers. Pkt.
Coccineus. Scarlet. Height 5 ft ..... .10
Roseus grandiflorus. Pink. Height 4 ft ..... .10
Mallow Marvels. Robust Perennials. 3 to 5 feet high, bearing profusely, flowers of the largest size, in all the shades of crimson, rose, and white ..... .10

HOLLYHOCK

The Hollyhock comes fairly true from seed and will flower the first year if the seed is sown early and transplanted to rich soil. Sow again in the fall and transplant in the spring. One of the few herbaceous plants that are effective in landscape work. Pkt.
Allegheny. Semi-double, fringed, mixed. Height 5 ft .. $0.10
Single Mixed ..... .10
Double Crimson. Height 5 ft ..... .10
Double Maroon ..... .10
Double Newport. Pink. Height 5 ft ..... .10
Double White. Height 5 ft ..... .10
Double Yellow. Height 5 ft ..... .10
Double Mixed. Height 5 ft ..... .10

HONESTY

HONESTY. B. Interesting in a dried state, the membranous lining of the seed-pod making a handsome ornament for winter bouquets. Purple. A biennial. Height 1½ ft ..... .10

HUNNEMANNIA

HUNNEMANNIA FUMARIAEFOLIA. A showy plant belonging to the Poppy family. Yellow. Height 2 ft .10

HYACINTHUS

HYACINTHUS CANDICANS. A bulbous plant, throwing up a spike bearing 20 to 30 yucca-like flowers; pure white and fragrant. Height 3 ft 10

IMPATIENS

SULTANI. (Sultan's balsam) charming plants producing freely brilliant waxy-looking flowers ..... .25

IPOMOPSIS

IPOMOPSIS (Texas Plumes). Showy scarlet and gold pyramidal blossoms and feathery foliage. Fine mixed. Biennial. Height 3 ft ..... .10

LANTANA

LANTANA. B. White, rose and yellow particolored fragrant flowers, like heliotrope in form. Finest mixed. Height 1 ft ..... .10
LATANA DWARF. Excellent bedding plants about 1 ft. in height. Many delicate shades mixed ..... .25

LAVENDER

LAVENDER SWEET. Blue; a hardy shrub, well-known and esteemed for its delicious fragrance. Height 3 ft .. .10

LINARIA

LINARIA CYMBALARIA (Kenilworth Ivy). White and purple; very pretty for rock and hanging-baskets; trailer ..... .10

PANSY or HEARTSEASE

CULTURE—To have pansies in perfection, sowings should be made every month from the end of July to the end of April. Young, vigorous stock always gives the best results. Sow in pans or frames and transplant when large enough to a border of rich soil. Water must be given freely in bright weather and the flowers gathered as soon as they begin to wilt in order to keep up a succession and prevent running to seed, which injures the plants and tends to small flowers.

GERMAIN'S GIANT PRIZE PANSIES

What could be more interesting to any lover of flowers than a bed of Pansies fresh with the morning dew, some clad in their rich velvety petals and others turning their smiling faces upward asking only to be appreciated in their brief effort to make the world a little more beautiful!

Pkt.

GIANT PURPLE. Very showy. Velvety Royal Purple..... $0.25

GIANT KING OF THE BLACKS.... .25

GIANT MADAME PERRET. An exquisite pansy. Every blossom displays the soft red wine shades in varying degree, either faint or intense..... .25

GIANT GOLDEN YELLOW. Canary Bird. Very beautiful..... .25

GIANT WHITE. With purple eye, extra fine..... .25

Pkt.

GERMAIN'S SUPERB GIANT PRIZE MIXTURE..... .25

Germain's Giant Prize Mixture contains a selection of all the giant flowered varieties including the largest plain color and fancy blotched and shaded sorts, and the choicest imported frilled variegated, and orchid flowered varieties. A strain unequalled for beauty and variety of color.

25 cents per package, or the full Collection of Six for $1.00.

GERMAIN'S PERFECT GIANT FLOWERING SORTS

Pkt.

Adonis. Light Blue..... .25

Bridesmaid. Apple Blossom..... .25

Emperor William. Rich, Ultramarine or cornflower blue..... .25

Fire King. Lower petals yellow, upper purplish maroon..... .25

Golden Yellow Five Spotted. Beautifully marked purple..... .25

Pkt.

Lord Beaconsfield. Lower petals deep purple shading to light lavender..... .25

Vulcan. Rich blood red, blotched purple..... .25

White. With black center..... .25

Collection of above eight varieties. 1.50

GERMAIN'S BEDDING PANSIES

The bedding pansies do not produce flowers quite so large as the Giants but they are hardy and persistent bloomers, excellent for bedding where the mass of bloom rather than the size of the individual flowers is most important.

Pkt.

EMPEROR WILLIAM. Ultramarine blue. Height ½ ft..... .10

FAUST, KING THE BLACKS. Coal-black. Height ½ ft..... .10

GOLD-MARGINED. Brown with gold border, Height ½ ft..... .10

YELLOW. Pure. Height ½ ft..... .10

YELLOW WITH BLACK CENTER. Height ½ ft.. ..... .10

LIGHT BLUE. Light sky blue..... .10

MAHOGANY-COLORED. Ht. ½ ft.. .10

Pkt.

LORD BEACONSFIELD. Large, purple-violet shading off to lavender. Height ½ ft..... .10

PRESIDENT CARNOT. White, violet blotches. Height ½ ft..... .10

STRIPED AND MOTTLED. Hgt. ½ ft. .10

VICTORIA. Blood-red. Height ½ ft. .10

WHITE. Height ½ ft..... .10

Collection of 12 separate colors....$1.00

GERMAIN'S CHOICE STRAIN OF PANSIES IN MIXTURE

Pkt.

Germain's Giant Prize Mixed ⅛ oz. $1.25..... .25

Germain's Triumphant Giants. Selected from prize flowers only. .50

Fine Mixed. Flowers of medium size, varied and beautiful in color. ¼ oz. 60c..... .10

English Mixed. A favorite with many. Flowers large, and velvety in texture..... .15

Mastodon Mixed. A remarkably fine strain of American origin... .25

Pkt.

Orchid Flowered. Delicate shades and light tones of yellow, lavender, red, and mauve. Many entirely new..... .25

Masterpiece. (Ruffled Pansy). A beautiful new type, each petal being conspicuously waved or frilled The size and colors of the flowers are exceptionally good, the richer and most velvety tones predominating..... .25

Trimardeau. Giant French strain, upper petals especially large, all colors. ⅛ oz. 60c..... .25

PERENNIALS

LINUM

Pkt.

PERENNE (Blue Flax). Attractive perennial producing a mass of bright blue flowers..... $0.10

LOBELIA

LOBELIA CARDINALIS (Cardinal Flower). Height 2 ft. .10

LUPINUS

POLYPHYLLUS. Mixed, all colors. Height 1 to 4 ft. ½ oz. **45c** .10

LYCHNIS

(Jerusalem Cross). B. Favorite hardy plants for borders and shrubbery.

Chalcedonica. Bright scarlet. Height 2 ft..... $0.10
Haageana Hybrida. Finest mixed. Height 2 ft..... .10

MARVEL OF PERU

MARVEL OF PERU (Mirabilis Jalapa) (Four O'clocks). This well-known plant has few rivals for beauty, expanding in the afternoons and continuing open all night. Finest mixed. Height 2 ft. Oz. **30c**..... .10

(See page 83)

MATRICARIA

MATRICARIA EXIMIA (Feverfew). B. Double white, very handsome, showy flowers, continuing a long time in bloom. Height 2 ft..... .10

MIMULUS

Brilliant perennials flowering for the first season if sown early; also suitable for pot-culture. Pkt.

Cardinalis (Scarlet Monkey Flower). Dark red. Height 1½ ft..... .10
Tigrinus grandiflorus. Finest mixed, spotted and tigered varieties. Height 1½ ft..... .10

MUSK PLANT

MUSK PLANT (Mimulus moschatus). Yellow; a universal favorite. Height ½ ft..... .10

MYOSOTIS

(Forget-me-not). B. Very beautiful and much prized for spring flowers.

Azorica. Dark blue. Height ½ ft..... .10
Alpestris. Light blue. Height ½ ft. ¼ oz. **45c**..... .10
Alpestris. White..... .10
Alpestris. Rose..... .10
Dissitiflora. Brilliant blue, earliest flowering. Height ½ ft..... .15
Palustris semperflorens. Bright blue. Height 1 ft. ⅛ oz. **75c**..... .10
Victoria—Sky Blue. Compact growth, double globular flowers, excellent for bedding or pot culture..... .10

NIEREMBERGIA

NIEREMBERGIA GRACILIS. Silvery lavender. Excellent for hanging-baskets, edgings, etc. Height 1 ft..... .10

OENOTHERA

OENOTHERA LAMARCKIANA. A grand Evening Primrose, with long spikes of yellow flowers. Yellow. Height 4 ft..... .10

OXALIS

OXALIS (Shamrock, or Wood Sorrel). Delightful little plants for edgng, hanging-baskets and rockwork.

Rosea. Pink. Height ½ ft..... .10
Tropaeoloides. Yellow. Height ¼ ft..... .10

PETUNIA

Culture—The Petunia is a hardy Perennial, producing the most showy flowers in the greatest profusion. For bedding purposes or garden decoration, it is indispensable. It succeeds best in sunny location. Sow the seed very shallow and keep moist. The Single Petunia is of the easiest culture—seeds itself when once planted and grows in any soil that will sustain plant life.

Single Inimitable. Blotched and striped, very handsome. Height 1 ft..... Pkt. $0.10
Giants of California. Very large, ruffled and fringed, extra fine mixed. Height 1 ft..... .25
Howard's Star. Crimson, with a five-pointed white star in center. Very free flowering. For bedding, baskets, etc., it is exceptionally good..... .15
Balcony Petunias. Large and free flowering. Mixed... .25
Blood Red. Large rich red..... .15
Brilliant Rose. Splendid rose, yellow throat..... .15
Blue. Deep violet blue..... .15
White. Height 1 ft..... .10
Rosy Morn. Carmine pink with white throat, dainty and effective border..... .10
Good Mixed. Height 1 ft. ¼ oz. **45c**..... .10
Double Fringed. Superb mixed. Height 1 ft..... .50
Double Extra Fine. Mixed. Height 1 ft..... .25

PENSTEMON

B. Fine herbaceous perennials, very showy in mixed borders

Hartwegi Grandiflorus. New large-flowered mixed. Height 2 ft..... $0.15
Finest Mixed. Height 2 ft..... .15

PHLOX

PHLOX: PERENNIAL. B. A very showy, handsome plant. Finest mixed. Height 2 ft..... $0.25

PINK

(See Dianthus)

POINCIANA

GILLIESI (Bird of Paradise). A rare evergreen perennia plant. Flowers golden yellow with long exserted pistils of bright crimson. The plant forms a small shrub with very ornamental, fern-like foliage..... .25

POLYANTHUS

Charming early-flowering plants, beautifully laced and edged.

Grandiflora. Large flowering; finest mixed..... .25
Choice Mixed. Height ½ ft..... .10

PERENNIAL

POPPY

Very showy plants for mixed borders. The Iceland Poppies will bloom the first year from seed if sown early.

For other varieties, see list of annuals. Pkt.

Orientale. Dark red. Height 4 ft $0.10
Orientale. Mixed. Height 4 ft ..... .10
Orientale Hybrids. Mixed ..... .25
Nudicaule (Iceland Poppy). **Yellow.** Height 1¼ ft ..... .10
Nudicaule. Orange. Height 1¼ ft ..... .10
" **White.** Height 1¼ ft ..... .10
" **Mixed.** Height 1¼ ft ..... .10
Bracteatum. Scarlet. Height 3 ft ..... .10

PRIMULA (PRIMROSE)

T. Fine pot-plants for winter and spring flowering; for indoor culture.

FRINGED CHINESE PRIMROSES (Primula Chinensis Fimbriata).
Red. Height ½ ft ..... .25
Rose Pink. " " ..... .25
White. " " ..... .25
Mixed. " " ..... .25
PRIMULA OBCONICA. Gigantea Hybrida. Mixed ..... .25
PRIMULA MALACOIDES. Flowers are of a pale mauve color, produced in small clusters. Height 1½ ft 25
PRIMROSE. An old-fashioned garden-favorite. Yellow ..... .15

PYRETHRUM

Cinerariaefolium. The plant from which is made the Persian insect powder in Europe, or "Buhach," as made in California ..... .15
Roseum Hybridum. Single. Finest mixed. Height 2 ft. ⅛ oz. **40c** ..... .10
Roseum hybridum. Double mixed. 1/16 oz. **75c** ..... .25
Parthenifolium aureum (Golden Feather). Height ½ ft. .10

RANUNCULUS

Valuable cut flowers, double and semi-double of the most varied and brilliant colors. If sown early they bloom the first year. Height 1 ft. ¼ oz. **65c** ..... .10

ROMNEYA

ROMNEYA COULTERI (Matilija Poppy). A noble plant. White, with yellow center. Height 6 to 10 ft ..... .10

ROSE CAMPION

ROSE CAMPION (Agrostemma coronaria). Crimson flowers; silvery foliage. Height 1½ ft ..... .10

ROCKET

ROCKET, SWEET (Dame's Violet). Valuable for borders, free-blooming and sweet-scented. Fine mixed. Height 1½ ft ..... .10

RUDBECKIA

Bicolor Superba Semiplena. (Golden Glow) Semi-double flowering. Fine for cutting. Height 2 ft ..... .10

SALVIA

Flowering Sage. B. Brilliant-flowering plants for borders, back-grounds and centers of beds.

Bon-fire Dwarf. Brilliant scarlet flowers. Height 2½ ft.. .10
Patens. Hh. Sky-blue. Height 2 ft ..... .25
Splendens. Hh. Dazzling scarlet. Height 3 ft ..... .10

SANTOLINA

SANTOLINA CHAMAECYPARISSUS (Lavender Cotton). A silvery-leaved plant, useful for edging. Height 2 ft.. .10

SAXIFRAGA

SAXIFRAGA (Mother of Thousands or London Pride). Charming little trailing plants for hanging baskets, vases or rockwork. Fine mixed. Height ½ ft ..... .15

SCABIOSA

SCABIOSA CAUCASICA. A highly decorative hardy perennial. Large handsome flowers. This wonderful Scabiosa is overlooked by too many lovers of flowers.
Mauve 25
White ..... .25
Mixed ..... .25

SENSITIVE PLANT

SENSITIVE PLANT (Mimosa pudica). An interesting plant with the peculiarity of closing its leaves when touched. Pink. Height 2 ft ..... .10

SOLIDAGO

SOLIDAGO CANADENSIS (Goldenrod). Height 2 to 3 ft .10

SOLANUM

SOLANUM CAPSICASTRUM (Jerusalem Cherry). Hh. Decorative species for pot culture, bearing orange-colored berries. Mixed. Height 1 ft ..... .10

STATICE

STATICE LATIFOLIA (Sea Lavender). A favorite hardy perennial with bright blue flowers, very useful for bouquets. Height 1 ft ..... Pkt. $0.10

STEVIA

STEVIA SERRATA. B. A valuable plant for florists, producing large heads of small, white fragrant flowers; very graceful and excellent for cutting purposes. White. Height 1½ ft ..... .10
Purpurea. Purple ..... .10

STOCKS

(Perennial). B. (For Ten-weeks Stocks, see Annuals).

WINTER NICE. The true "Gilliflower."
Abundance. Carmine rose ..... .15
Beauty of Nice. Flesh pink ..... .15
Crimson King. Tall long spikes ..... .15
Deep Lilac ..... .15
Lavender ..... .15
Purple. Remarkably fine ..... .15
Rose ..... .15
Salmon ..... .15
White. Free flowering, Germain's Special ..... .15
Yellow ..... .15
Mixed. ⅛ oz. **50c** ..... .15
Collection of 8 beautiful shades ..... .75

STOKESIA

(Cornflower Aster)

A beautiful hardy perennial, growing about 24 inches high and producing a profusion of large cornflower-like flowers of a handsome lavender blue ..... .10

SWEET WILLIAM

B. Well-known and very showy plants for borders; flowering early in the spring.

Hunt's Auricula-flowered Perfection. Single mixed. Height 1½ ft ..... .15
Dark Crimson ..... .10
Pink Beauty ..... .15
Scarlet Beauty ..... .15
White ..... .10
Finest mixed. Height 1½ ft. ½ oz. **45c** ..... .10
Double. Finest mixed. Height 1½ ft. ¼ oz. **45c** ..... .10

VALERIANA

Hardy border plant, flowers valuable for boquets.

Alba. White ..... .10
Coccinea. Red ..... .10
Rosea. Pink ..... .10
Mixed ..... .10

VERBENA

B. For garden beds and massing the verbena's are unrivaled; from spring until late autumn flowers of the most varied and brilliant colors are produced. Although perrenials, they will bloom the first season from seed and form splendid plants.

Pink. Trailer. ¼ oz. **70c** ..... .10
Purple. Trailer. ¼ oz. **70c** ..... .10
Scarlet. Trailer. ¼ oz. **70c** ..... .10
White. Trailer. ¼ oz. **70c** ..... .10
Mammoth Mixed. Trailer. ½ oz. **75c** ..... .10
Mammoth Lucifer (new). See Novelty List ..... .25
Mammoth Mayflower. Beautiful pink ..... .15
Mammoth Stellata Violacea. Purple, white eye ..... .15
Hybrida Gigantea Mixed. Containing all colors ¼ oz. **$1.00** ..... .25

VINCA

Rosea (Madagascar Periwinkle). Red. Height 2 ft ..... .10
Alba. White, with red eye. Height 2 ft ..... .10
Mixed. Height 2 ft ..... .10

VIOLA

Cornuta. Resembles the Pansies, and is admirably adapted for bedding purposes.
Cornuta. Purple Queen ..... .10
Cornuta. Yellow ..... .10
Cornuta. Papilio (Butterfly Violet), lovely violet-lilac with small dark eye ..... .15
Cornuta. Mixed ..... .10
Odorata (Sweet Violet). Height ¼ ft ..... .10
White. Height ¼ ft ..... .10
Princess of Wales. Very large. Height ¼ ft ..... .25

WALLFLOWER

B. Well known fragrant plant.

Single Mixed. Height 2 ft. ½ oz. **45c** ..... .10
Blood-red. Height 1 ft ..... .10
Belvoir Castle. Dwarf yellow. Height ¾ ft ..... .10
Double German Mixed. Height 2 ft. ¼ oz. **85c** ..... .15

CALIFORNIA NATIVE FLOWER SEEDS

Collections

Souvenir Collection of 10 Choice Varieties of California Native Flower Seeds ..... Pkt. $0.50

NASTURTIUM—TOM THUMB. See page 72.

Pkt.

ABRONIA UMBELLATUM. (Sand Verbena). Low annual of trailing habit. Thrives in Sandy Soil. Flowers rose. .10

BRODIAEA CAPITATA. (Cluster Lily). Pretty, bulbous: flowers early in spring: deep violet to white. Height ¾ to 1 ft. ..... .15

BLOOMERIA AUREA (Golden Stars). Golden yellow clusters $0.10

COLLINSIA BICOLOR (Innocence). Shaded white, lilac and rose-purple ..... .10

DELPHINIUM CARDINALE (Scarlet Larkspur). Magnificent perennial: flowers intense bright scarlet. Height 3 to 5 ft. ..... .10

DENDROMECON RIGIDUM ("Tree Poppy"). A shrub, golden-yellow flowers: 4 to 8 feet high ..... .15

DICENTRA CHRYSANTHA (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft. ..... .15

DODECATHEON CLEVELANDI (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft. ..... .15

EMMENANTHE PENDULIFLORA (Whispering Bells). Bushy annual; small, light yellow, bell-shaped flowers. Height 1 to 1½ ft. ..... .15

ESCHSCHOLTZIA. The well-known California Poppy The Golden West is a fine variety producing very large flowers, of a light canary-yellow color, with an orange blotch at the base of each petal, forming a maltese cross in the center of the flower.

Seven new and splendid California Poppies: Tango, Mauve Beauty, Purple glow, Lovely, Scarlet Beauty, Ballet girl, Orange Flame. For description see Novelty List. Pkt. .15
Collection: One packet of each of the above ..... .90

California. Yellow. Height 1 ft. ..... .10
Deep Orange. Height 1 ft. (True Calif. Poppy) ..... .10
Geisha. Fluted petals, orange, crimson and gold ..... .10
Golden West. Canary-yellow and orange. Height 1 ft. .10
Mandarin. Orange and mandarin red. Height 1 ft. ..... .10
Rosy Queen. Rose pink ..... .10
Vesuvius. Wall flower Red ..... .10
Waller's Crimson. Carmine Crimson, improved strain ..... .10
White. Re-selected pure white ..... .10
Collection 9 separate Colors ..... .65
Mixed. Many shades of crimson, pink, orange and yellow. .10
Mixed Double. Orange, white and pink ..... .10

Pkt.

LATHYRUS SPLENDENS (Pride of California). Magnificent perennial climbing pea; produces abundant, large, rich crimson flowers in clusters of ten or more. Height 6 to 10 ft. $0.15

LAYIA CALLIGLOSSA (Tidy Tips). A pretty annual; flowers yellow tipped with white; petals daisy-like, but broader, and with serrate tips. Height 6 to 12 inches. .10

LAYIA GLANDULOSA (White Daisy). Annual flowers, pure white and daisy-like, but petals broader and with serrate tips. Height 6 to 12 inches ..... .10

LEPTOSYNE STILLMANI. A pretty annual, with compact, bushy, thin-cut leaves; flowers golden yellow, 1 inches in diameter. Height 1 ft. ..... .15

LILAC CALIFORNIA. Light blue. (California Soap Plant). .15

LILAC CALIFORNIA (California Soap Plant). White ..... .15

LIMNANTHES DOUGLASI (Meadow Foam). Yellow flowers; 4 inches high ..... .10

LUPINUS NANUS. Dwarf. Fragrant; rich blue and white. .10

MENTZLIA LINDLEYI (Blazing Star). Showy yellow flowers; 2 to 3 ft. ..... .10

NEMOPHILA INSIGNIS (Baby Blue Eyes). Annual; sky-blue flowers. Height 4 to 6 inches ..... .10

NEMOPHILA MACULATA. White with purple blotches ..... .10

NEMOPHILA. Mixed ..... .10

PENTSTEMON SPECTABILIS ("Blue Pentstemon"). Large spike of deep blue flowers; grows to height of 3½ to 7 ft. .10

PHACELIA PARRYI. Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches ..... .10

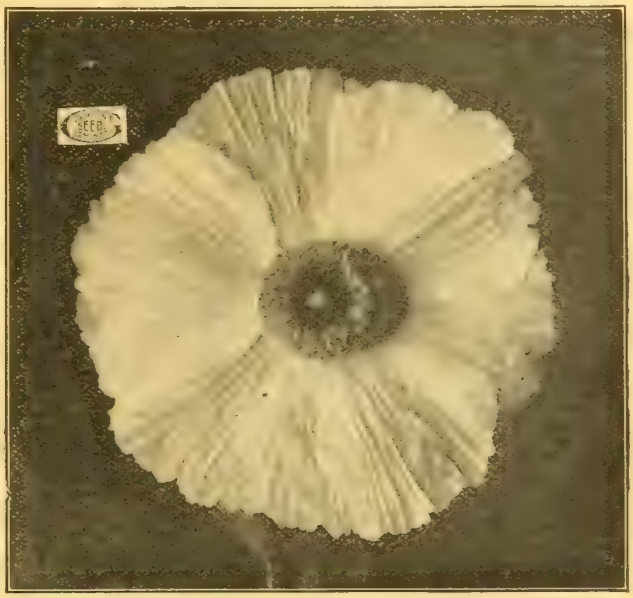
PHACELIA WHITLAVIA (Wild Canterbury Bells). Annual, deep violet purple, 1½ ft. ..... .10

PLATYSTEMON CALIFORNICUS (Cream Cups). Annual; poppy-like. Height 8 to 10 inches ..... .10

ROMNEYA COULTERI (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 8 inches in diameter; flowers last well when cut. Height 6 to 10 ft. ..... .10

VIOLA PEDUNCULATA (California Yellow Violet). Sometimes called "The Yellow Johnny Jump-up." A fine little native. Flowers are yellow, blotched with brown .25

CALIFORNIA WILD FLOWER IN MIXTURE ..... .10
oz. 35c.; ¼ lb. $1.10; 1 lb. $3.50



ROMNEYA COULTERI

TREE AND SHRUB SEEDS

All those varieties quoted at less than 50 cents per ounce we supply at 10 cents per packet. All those quoted at 50 cents and upwards we supply at 15 cents per packet.

ACACIA
Baileyana. Ounce 50 cents, pound $5.00.
Cultriformis (Knife-leaved Acacia). Ounce 65 cts.
Dealbata (Silver Wattle). Ounce 50 cents, pound $5.00.
Decurrens (Green or Black Wattle). Ounce 50 cents, pound $5.00.
Floribunda. Ounce 50 cents, pound $5.00.
Latifolia. Height 40 ft. Ounce 60 cents, pound $6.00.
Linifolia (Flax-leaved). Height 8 ft. Packet 15 cents.
Lophantha (Cape or Crested Wattle). Ounce 20 cents, pound $2.00.
Melanoxylon (Blackwood). Ounce 80 cents, pound $8.00.
Mollissima (Green Wattle). Ounce 60 cents, pound $6.00.
Podalyriaefolia. Packet 25 cents, ounce $1.25
Pycnantha (Golden Wattle). Ounce 50 cents, pound $5.00.
Saligna (Willow-leaved Acacia). Ounce 75 cents, pound $7.50.
Verticillata. Fine for lawns or groups. ounce $1.50

BORONIA MEGASTIGMA. A beautiful little shrub; Packet 50 cents.
BRACHYCHITON ACERIFOLIUM (Flame Tree). Oz. 75 cents.
BUXUS SEMPERVIRENS (Evergreen Box). Oz. 40 cents, pound $4.00.
CALLISTEMON RIGIDUS (Bottle Brush). Ounce $1.50.
CAMELLIA JAPONICA. Packet 25 cents.
CAMPHORA OFFICINALIS (Camphor Tree). Oz. 35 cents, pound $3.50.

CASUARINA
Equisetifolia. (Beefwood). Ounce $1.00
Stricta (She-Oak). Ounce $1.50.

CEDRUS DEODORA (Himalayan Cedar). Oz. 60 cents, pound $6.00.
COPROSMA BAUERI. Ounce $1.25.
COTONEASTER PANOSA. Red-berried Evergreen. Ounce 60c.
CRATAEGUS (Hawthorn). **Pyracantha.** Ounce 75 cts.
CRYPTOMERIA JAPONICA (Japan Cedar). Ounce 40c, pound $4.00.

CUPRESSUS
Arizonica (Blue Cypress). Ounce 60 cents, pound $6.00.
Macrocarpa (Monterey Cypress). Ounce 60 cents, pound $6.00.
Sempervirens (Italian Cypress). Ounce 40 cents, pound $4.00.

CYDONIA JAPONICA (Japanese Quince). Pkt. 15 cents, oz. $1.00.
EVONYMUS JAPONICUS. Evergreen evonymus. Ounce 50c.
FICUS MACROPHYLLA (Moreton Bay Fig, or Long-leaved Rubber Tree) Height 100 ft. Ounce $1.50.
FRAXINUS VELUTINA (Arizona Ash). Ounce 40 cents, pound $4.00.
GENISTA CANARIENSIS. Ounce 75 cents.
GREVILLEA ROBUSTA (Silky Oak, or Australian Fern Tree). Height 150 ft. Ounce $1.00 Pound $10.00.
JACARANDA OVALIFOLIA (Brazilian Jacaranda). Pod 5 cents.
LEPTOSPERMUM LAEVIGATUM. Packet 25c; ounce $1.50.
LIBOCEDRUS DECURRENS (California Red Cedar). Ounce 50 cents, pound $5.00.
LIGUSTRUM JAPONICUM (Japan Privet). Ounce 30 cents, pound $3.00.
LIGUSTRUM NEPALENSE (Small-leaved Privet). Oz. 30 cents, pound $3.00.
LIGUSTRUM VULGARE. (English Privet). Oz. 25c; lb. $2.50.
MELALEUCA HYPERICIFOLIA. Red. Pkt. 15 cts
METROSIDEROS TOMENTOSA. Pkt. 25 cts.
MORUS ALBA. (White Mulberry). Leaves are favorite nutriment of silk worms. Ounce 75c.
NANDINA DOMESTICA. Ounce $1.00.
PARKINSONIA ACULEATA. Ounce 75c.

PINUS
Canariensis. (Blue Pine). Ounce 50c.
Coulteri (Big Cone Pine). Ounce 60 cents, pound $6.00.
Insignis (Monterey Pine). Ounce $1.00, pound $10.00.
Lambertiana (Sugar Pine). Ounce 75 cents, pound $7.50.
Maritima (Seaside Pine). Ounce 20 cents, pound $2.00.
Torreyana. Ounce 60 cents, pound $6.00.

PITTOSPORUM
Nigrescens. Height 10 ft. Ounce 75 cents.
Tobira. Ounce 75 cents.
Undulatum. Per pkt. 15c. Per oz. 75c.

POLYGALA GRANDIFLORA. Packet 25 cents.
PRUNUS ILLICIFOLIA. (California Cherry). Ounce 20c.
PRUNUS INTEGRIFOLIA. (Catalina Cherry). Ounce 20c.
SCHINUS MOLLE (Mexican Pepper Tree). Ounce 20c, pound $2.00.
SCIADOPYTIS VERTICILLATA (Japan Umbrella Pine). Very ornamental. Height 60 ft. Ounce 75c.

SEQUOIA
Sempervirens (California Redwood). Ounce 75 cents, pound $7.50.

SPARTIUM JUNCEUM. (Spanish Broom). Ounce 50c.

STERCULIA
Diversifolia (Brachychiton populneum). Oz. 60 cents, pound $6.00.
Platanifolia (China Parasol Tree). Ounce 50 cents, pound $5.00.

TELOPEA SPECIOSISSIMA. (New South Wales Waratah). Pkt. 25c.

THUJA
Orientalis (Chinese Arborvitea). Ounce 40 cents, pound $4.00.
Orientalis Aurea (Golden Arborvitae) Ounce 50 cents; pound $5.00.

VIBURNUM TINUS (Laurustinus). Ounce 50 cents, pound $5.00.

EUCALYPTUS
Citriodora (Lemon scented Gum). Per ounce $2.00.
Corynocalyx (Sugar Gum). Ounce $1.00, pound $9.00.
Ficifolia (Scarlet flowering Gum). 25 seeds 25 cts. 100 seeds 85 cts.
Globulus (Tasmanian Blue Gum). Ounce 75 cents, pound $9.00.
Leucoxylon (Victorian Ironbark). Per ounce $1.00.

EUCALYPTUS—Continued
Robusta (Swamp Mahogany). Per ounce 75 cents, pound $8.00.
Rostrata (Red Gum). Ounce 50 cents, pound $5.00.
Rudis (Desert Gum). Per ounce $0.75 pound $7.50.
Tereticornis (Gray Gum). Per ounce 75 cents, pound $7.50.
Viminalis (Manna Gum). Per ounce 75 cents, pound $7.50.

CALYCANTHUS FLORIDUS (Carolina Allspice). Ounce 50 cents, pound $5.00.
CATALPA SPECIOSA (Indian Bean Tree). Ounce 60 cents, pound $6.00.
CERATONIA SILIQUA (St. John's Bread). Oz. 25 cents, pound $2.50.
GLEDITSCHIA TRIACANTHOS (Three-horned or Honey Locust). Ounce 30 cents, pound $3.00.
MELIA AZEDARACH UMBRACULIFORMIS. (Texas Umbrella Tree) Height 40 ft. Oz. 25c; Pound $2.50.
PAULOWNIA IMPERIALIS (Empress Tree). Ounce 50 cents, pound $5.00.
ROBINIA PSEUDACACIA (Yellow or Black Locust) Height 60 ft. Ounce 25 cents, pound $2.50.

SYRINGA
Vulgaris (Purple Lilac). Ounce 75 cents, pound $7.50.
Vulgaris alba (White Lilac). Ounce 50 cents, pound $5.00.

VIBURNUM OPULUS (Snowball, or Guelder Rose). Height 15 ft. Ounce 45 cents, pound $4.50.

PALM SEEDS

CHAMAEROPS. The various species of Chamaerops are found scattered through southern Asia, northern Africa, semi-tropical North America and the South of Europe. Leaves fan-shaped; fruit a one-seeded berry.
Excelsa (Hardy Fan Palm). Ounce 40 cents, pound $4.00.
Humilis (Dwarf Fan Palm). Ounce 20 cents, pound $2.00.

COCOS PLUMOSA. 10 seeds 25 cents, per 100, $2.00.

ERYTHEA
Armata (Brahea glauca) Blue Palm. Elegant Fan Palm. 10 seeds 25 cents, 100 seeds, $2.00.
Edulis (Brahea edulis). 10 seeds 15 cents, 100 seeds, $1.00.

PHOENIX
Canariensis. 10 seeds 10 cents, 100 seeds, 50 cents.
Dactylifera. The Date Palm. Ounce 30 cents, pound $3.00.
Reclinata. 10 seeds 10 cents, 100 seeds 60 cents.

WASHINGTONIA
Filifera. California Fan Palm. Ounce 15 cents, pound $1.50.
Robusta. A robust Fan Palm. Ounce 35 cents, pound $3.50.

DECORATIVE PLANT SEEDS

AGAVE AMERICANA. (Century Plant) 15 cents per. pkt.
AGAVE AMERICANA. Folis Variegatis. Variegated leaved century plant. 25 cents per pkt.

DRACAENA
Australis (Cordyline Australis). Packet 15 cts.; ounce 75 cts.
Indivisa (Cordyline indivisa). Ounce 50 cents, pound $5.00.

YUCCA WHIPPLEI. The "Spanish bayonet" or "Our Lord's candle" of the California mountains. 15c. Per Pkt.
MUSA ENSETE. (Abyssinian Banana) A magnificent specimen for the sub-tropical garden. 10 seeds 25c; 100 seeds $2.00.
PHORMIUM TENAX. (New Zealand Flax). Ounce 75 cts.

FRUIT TREE SEEDS

ALMOND, BITTER (Prunus amygdalus communis). Pound 50 cents, 100 pounds, market price.
APPLE, FRENCH CRAB. Superior stock. Ounce 25 cts. pound $2.50.
APRICOT (Prunus Armeniaca). Pound 20 cents.
CHERRY MAHALEB (Cerasus communis). Ounce 35c, lb. $3.50.
LOQUAT. (Eriobotrya Japonica). Ready in May. Ounce 25 cents; pound $2.50.
PEAR. (Japan). (Pyrus-Ussuriensis). (True). Ounce 75c; pound $7.50.
PLUM (Myrobalan). Ounce 20 cents. Pound $2.00.
POMEGRANATE. (Punicum granatum). Ounce 75 cents.
PERSIMMON. (Manchurian). (Diospyros Lotus). Ounce 50 cents. Pound $5.00
QUINCE (Cydonia communis). Ounce 50 cents, pound $5.00.
WALNUT (Black California). Price 15 cents per pound.

SMALL FRUIT SEEDS

CURRANT, BLACK. Pkt. 15 cents, oz. $1.50.
Red. Pkt. 10 cents, oz. 75c.
Large Mixed. Pkt. 10 cents, oz. 75c.
GOOSEBERRY. Large English Mixed. Pkt. 15 cts., oz. $2.00
GUAVA, STRAWBERRY. Pkt. 10 cents, oz. 50 cents.
GUAVA, PINEAPPLE (Feijoa Sellowiana). Packet 25 cents.
RASPBERRY, FINEST SORTS MIXED. Pkt. 10 cts., oz. $1.00.
ROSELLE. 10 cents a packet, 60 cents per ounce.
STRAWBERRY, LARGE MIXED. Pkt. 10 cents, oz. $1.50.

GERMAIN'S CHOICE DAHLIAS

The Dahlia needs no introduction to any one interested in gardening. Like the Chrysanthemum it has come to be "Everybody's" flower. There have been great improvements made, however, in Dahlias during recent years, and in the following list will be found a collection second to none.

TWO PRIZE-WINNING DAHLIAS

The two varieties described below were awarded the highest honors at the Southern California Dahlia Society Show held recently at the Biltmore Hotel in Los Angeles. The exhibit was the finest ever staged in the wst and the entries were pronounced by leading eastern specialists to rank with the best the country has produced. Each

FLAMING METEOR. A decorative of great size and depth. Flaming scarlet and orange buff, a brilliant and luminus color combination. Very double, the center petals pointed in sunburst effect, the outer petals extending out flat. The position of the petals and entire make up of the flower is remarkably regular and symmetrical.....Each **$5.00**

SOMERSET. Decorative. A vigorous grower, producing immense flowers; on excellent stems. It is a shaggy decorative, the petals being slightly curved or twisted in a pleasing and artistic manner. The color is described as salmon, blending to old rose but there is also a hint of other delicate underlying tones, making a rich and elusive shade which words cannot properly convey.....Each **$2.50**

The two prize-winning Dahlias for **$7.00**

SIX NEW AND RARE VARIETIES

GOLD RUSH. Decorative. Clear lemon yellow—one of the few really good yellow sorts we have seen....**$2.50**

VALENCIA. Decorative. Chrome yellow with cadmium orange shadings **5.00**

WIZARD OF OZ. Decorative. Amber pink with softer shading. Immense and very popular..... **2.50**

J. W. DAVIES. Decorative. Enormous cerise..... **2.50**

EL GRENADA. Hybrid Cactus. A monster in sensational coloring. Bright orange with creamy yellow reverse **5.00**

CHAMPAGNE. Decorative. Chamois tinted with coppery bronze. Huge flower on rigid upright stem.... **2.50**

Collection of six new and rare Dahlias, **$18.00**

LA MASCOTTE (See Page 91)

FLAMING METEOR

EIGHT WONDERFUL DAHLIAS

Each

EARL WILLIAMS. Decorative. Variegated red and white; very popular because of the bizarre coloring, perfect shape and large size..... **1.00**

DADDY BUTLER. Hybrid Cactus. Beautiful rosy maroon with lighter reverse..... **2.00**

AL KORAN. Decorative. Clear yellow suffused amber. Large and wavy **1.50**

LORRAINE WOERNER. Hybrid Cactus. A delicate blend of yellow and salmon pink..... **2.00**

MARIPOSA. Hybrid Cactus. Clear lavender pink with deeper center **1.50**

CHIEF JUSTICE AIKEN. Decorative. Old rose and amber. A new shade, attractive and distinct..... **1.50**

KITTY DUNLAP. Decorative. American Beauty rose. A splendid flower for all purposes..... **2.00**

AMUN RA (The Sun God). Decorative. Rich coppery bronze. Individual in style and coloring..... **1.00**

Collection of eight wonderful Dahlias, **$11.00**

GERMAIN'S "OLD FAVORITES" COLLECTION

GOLDEN WEST. The popular orange yellow cactus..**$0.25**

GUSTAVE DOAZON. Gigantic orange and still one of the largest decoratives ..... **.25**

DELICE. Bright rose. Long the favorite pink. Decorative **.25**

MINA BURGLE. Decorative. Rich crimson..... **.25**

MISS NANNIE B. MOORE. Lavender pink cactus..... **.35**

FERNAND OLIVET. Well known French maroon cactus **35.**

DR. TEVIS. Salmon rose, suffused gold and apricot. Decorative ..... **.50**

PAUL BONYON. Salmon pink. Decorative..... **.35**

WACHT AM RHEIN. Beautiful cactus, rosy pink with white suffusion ..... **.35**

GERMAIN'S "OLD FAVORITES" have stood the test of time. Their continued popularity is proof of their intrinsic value. The collection..... **2.50**

DAHLIAS

JEAN CHAZOT

GERMAIN'S POPULAR DOZEN

Each

BERTHA HORNE. Hybrid Cactus. Orange yellow tinted apricot ..... .50

JEAN CHAZOT. Hybrid Cactus. Capucine red with golden suffusion ..... .50

MRS. ALFRED STERN. Hybrid Cactus. Large lavender pink ..... .35

PIERROT. Cactus. True English cactus type. Deep amber, tipped white ..... .50

TARANTULA. Cactus. Salmon orange. Long narrow petals of true cactus type ..... .50

DAYBREAK. Peony decorative. Sparkling white with faint blush center ..... .50

EMPRESS EUGENIE. Decorative. Rich lavender. Fine flower for garden or cutting ..... .50

GLOIRE DE VERDUN. Decorative. Tall brilliant cardinal red 1.00

LA DOSKA DOWD. Decorative. Clear yellow with golden center. A most satisfactory yellow ..... .50

MR. H. C. DRESSELHUYS. Decorative. An excellent pink dahlia, with many awards to its credit ..... .50

MRS. CARL SALBACH. Decorative. Mauve or mallow pink. A world wide favorite ..... .50

BONNIE BLUE. Show. This dahlia is popular wherever seen. Its striking near blue color is unique ..... .25

GERMAIN'S POPULAR DOZEN COLLECTION. We have tried to group in this collection varieties which in form and coloring are truly representative of the best in modern dahlias and will be a credit to any garden. The collection 5.00

PEONY-FLOWERED DAHLIAS

Informal in make-up and exceedingly decorative in character. We recommend these very highly for use as cut flowers.

Each

BLACK BEAUTY. Very dark maroon. Very large, beautiful flowers 1.00

MME. VAN BYSTEIN. A most lovely shade of lilac. Free flowering and very valuable for cutting ..... .50

SHANTUNG. Scarlet red with distinct shadings of yellow. Very showy garden flower and fine keeper when cut ..... .50

RECENT EUROPEAN DAHLIAS

A number of very good Dahlias have been introduced recently from Europe. We are offering a selection of the best of these which we hope will interest many amateurs here.

Each

COURONNE D'OR. Decorative. A French dahlia. Large exhibition flowers, color rich golden apricot with rosy carmine reverse; greatly admired in our trials.. 5.00

EMMA GROOT. Decorative. Deep mauve or lilac, large flower, broad petals. Remarkable stems. Received numerous awards 2.00

AUGUSTINUS. Hybrid Cactus. Salmon overlaid deep rose. Has the long stiff stem characteristic of the newer Holland sorts 1.00

DELI. Decorative. Fawn shading to a copper center. Large, solid flower and strong stem 1.50

HEINWEH. A striking variety from Germany. Brilliant Amaranth purple with yellow at base of petals. The flowers are large, regular, with the best of stems and excellent keeping quality 1.00

ORANGE BOVEN. Decorative. Produces quantities of perfect flowers, on ideal stems—color is a most attractive shade of orange. Many awards ..... .75

PANORAMA. Decorative. Autumn tints similar to King of the Autumn in color but a great improvement on the older variety. Perfectly double, large and with good stem ..... .75

MARIA HOUTMAN. Decorative. A free flowering sort of great value for garden or cut flowers. Medium sized flowers of perfect form produced abundantly to the end of the season. Delicate autumn shade, luminous salmon and old gold ..... .25

Collection of eight recent European Dahlias, $11.50

PIERROT

DAHLIAS

DECORATIVE AND HYBRID DECORATIVE

This well-known type is one of the best for cutting. The flowers are regular in form and of great size and substance.

Each

EL CAMINO REAL. Gorgeous velvety Spanish crimson. $1.00
FLAME OF FIRE. Flaming red. Petals broad and wavy 1.00
KING OF THE AUTUMN. Burnt amber, beautifully tinged with buff and old rose ..... .50
KISSIMEE. Large full almost globe shaped flowers. Golden yellow and ochre with pink reverse 1.00
LA MASCOTTE. Broad flat petals. Silvery white with violet reverse. A charming two-tone effect ..... .75
MEPHISTOPHELES. A great ruby red relieved by minute yellow tips at the very end of the petals 1.00
MILLIONAIRE. A monster dahlia, the shade is a remarkably fine lavender with pink cast ..... .50
MR. CROWLEY. A unique color, bronzy pink with yellow at base of petals. Must be disbudded for best results 1.00
MRS. FANNIE HIDDEN. Clear lemon yellow ..... .35
NOBILIS. A beautiful combination of white and scarlet 1.00
PATRICK O'MARA. Among the best for every purpose. Charming autumn shade of orange buff slightly tinged with rose ..... .50
POLAR BEAR. A large pure white with good stems and keeping qualities ..... .75
PINK TRIUMPHANT. A very fine cut flower variety. The shade is the rarest among dahlias, a true pink .. 1.00
PRIDE OF CALIFORNIA. A splendid deep red of enormous size ..... .50
RALPH BALL. One of the finest yellow dahlias. Glistening deep yellow with gold center 1.00
ROSA NELL. Among the greatest of all decorative dahlias. A deep bright rose, most unusual and popular ..... .75
SUNSHINE. Brilliant scarlet, tipped yellow ..... .35
TROPICO. Yellow with rose reverse. Exceptionally free flowering ..... .35
TRYPHINNIE. Bright shell pink with golden suffusion and yellow at base of petals 1.00

POM POM DAHLIAS (See Page 92)
SUNBEAM
GRETCHEN HEINE TOMMY KEITH
PRINCE CHARMING

RALPH BALL

CACTUS AND HYBRID CACTUS

The Cactus Dahlia needs no introduction. The large, graceful flowers are admired by all. Chrysanthemum-like, their petals are long and pointed and frequently also quilled or interlaced, in-curved or reflexed according to the variety.

Each

BALLET GIRL. English type cactus. Orange with white edge $1.50
DUNDEE. A rich shade of burnt orange ..... .35
F. W. FELLOWS. English cactus. Bright orange 1.00
GEO. WALTERS. Strawberry rose with a bronze suffusion ..... .35
GLADYS BATES. Color tan with rose reverse. Petals beautifully curled 1.00
HELIUM. Yellow and cadmium orange 1.50
LADY HELEN. Deep rose pink, streaked with creamy white 1.00
MRS. EDNA SPENCER. Lavender shading to white .... .50
MRS. P. A. VINCENT. Glowing apricot buff 1.00
MRS. W. E. ESTES. A fluffy pure white of excellent quality ..... .75
MONTECITO. A pleasing shade of salmon pink and gold 1.00
NIBELUNGENHORT. A fine cactus, amber shading to salmon pink ..... .35
NORMAN. Immense flower with many exceedingly fine petals. Color scarlet ..... .50
PATRICIA O'BRIEN. Coral pink with apricot yellow center 1.50
PRIMROSE DAME. Creamy yellow with pink suffusion .50
RHEINISCHER FROHSIN. Rich crimson carmine, white at base of petals. A pleasing contrast ..... .50
RISING BEAUTY. Deep scarlet red, tipped and striped with yellow 1.00
SNOWDRIFT. Pure white ..... .50
U. S. A. Glowing orange red. Flower large and artistic, a great dahlia in every way 1.00

POMPOM DAHLIAS

The elegant miniature-flowered forms have become very popular of late. The varieties are chosen from a large collection and are among the best of this type.

SEVEN NEW AND RARE POMPOMS

	Each
ANNA VON SCHWERIN. Delicate pink shading to a white center	$0.50
CATHERINE. Rich golden yellow	.35
GIRLIE. Lilac pink. Small and fine formation	.35
JOHNNIE. Small and perfect pompom type—crimson maroon	.35
JONKHEER VON CITTERS. Yellow sharply tipped orange red. A striking combination	.50
LITTLE JEAN. Cream heavily tipped with tan	.35
PEE-WEE. Yellow, shading to brown center. Ideal for exhibition	.35

Collection of Seven New and Rare Pompoms, **$2.50**

NINE POPULAR POMPOMS

	Each
ALEWINE. White tipped lavender pink	$0.25
ALICE ROCKWOOD. Pleasing old rose	.25
AMBER QUEEN. Amber, shaded apricot	.25
GRETCHEN HEINE. Creamy white, edged pink	.25
GUIDING STAR. Pure white	.25
IDEAL. Light yellow, small and perfect	.25
PRINCE CHARMING. Lavender heavily tipped purple.	.25
SUNBEAM. Crimson red	.25
TOMMY KEITH. Cardinal red, tipped white. A very striking contrast	.25

Collection of Nine Popular Pompoms, **$2.00**

MRS. F. S. PETERS

GLADIOLUS—PURPLE GLORY

MRS. FRANK PENDLETON

GLADIOLUS (SWORD LILY)

The gladiolus is invaluable as a summer flower, and its popularity has increased tremendously in the last few years. Our list contains only the best sorts, varieties which have been tried and proven to give the most satisfactory results both as cut flowers and for garden display. When cutting, do so as soon as one or two flowers are expanded. The rest of the buds will open in water if care is taken to remove faded flowers, changing water daily and cutting a piece off the stem each time.

Culture—The bulbs should be planted from three to five inches deep in any good light or sandy garden soil. They flourish best in an open sunny situation.

Gladiolus bulbs ready in November.

GLADIOLUS—LOS ANGELES

FIVE PEERLESS GLADIOLUS

	Each	Doz.
LOS ANGELES. (The "Cut and come again" glad.) Wonderfully productive. Will produce more full sized spikes than any other variety we know. The flower stalk is very tall and graceful. The color is clear bright pink with deeper pink feather in the throat. "Los Angeles" makes a vigorous plant sending up many strong, tall spikes, but is not heavy or coarse. Graceful in form and exquisite in color, it is outstanding in the flower garden and unrivaled for cutting purposes	$0.50	$5.00
BLACK PANSY (Pansy-face). This is an ideal flower for the amateur and collector. It is unique among glads. Rich maroon, so dark as to be almost black, but relieved by a pansy-like throat which gives the flower an appeal all its own	.35	3.50
GOLD. By many considered the finest yellow. Large wide open flowers well arranged on a sturdy spike. Many florets open at once and of a clear deep yellow. A great favorite among the newer glads	.35	3.50
MRS. F. C. PETERS. Extra tall vigorous lavender gladiolus with a deep rose lilac throat. This is one of the finest gladiolus in the world and was so voted by the American Gladiolus Society. A very large flower well arranged on a long strong spike. As delicate in color as an orchid and a vigorous grower	.35	3.50
AMERICAN BEAUTY. The color of this famous flower is a brilliant American Beauty rose with a pronounced creamy yellow throat. The single flowers are five or six inches in diameter, one spike bearing as many as six to ten open blossoms at a time and forming an immense bouquet of beauty. Should be given a place of honor wherever gladiolus are grown	.35	3.50
The collection of "Five Peerless Gladiolus"		$1.75

EIGHT GRAND NEW AND RARE GLADIOLUS

	Each	Doz.	100
PURPLE GLORY. The giant of the Ruffled type. Deep purple, maroon or oxblood	$0.35	$3.50	$26.00
BYRON L. SMITH. The finest lavender	.25	2.50	18.00
E. J. SHAYLOR. Superb rose pink. Certificate of merit R. H. S.	.25	2.50	18.00
PYTHIA. A gigantic dark rose red	.35	3.50	26.00
L'IMMACULEE. Splendid new pure white	.25	2.50	18.00
GOLDEN MEASURE. A real pure yellow with golden sheen	.35	3.50	26.00
ROSE GLORY. A new rose hue	.25	2.50	18.00
GLORY OF THE NIGHT. New deepest maroon. The darkest of all gladiolus	.25	2.50	18.00
The collection of eight grand New Gladiolus	2.00		

	Each	Doz.	100
ALICE TIPLADY. A lovely orange saffron	.15	1.50	10.00
BARON JOS. HULOT. Deep blue, a splendid color rare in gladiolus	.15	1.50	10.00
CHICAGO WHITE. Pure white, large and of excellent keeping quality	.10	1.00	7.00
CRIMSON GLOW. Deep crimson; large flowers, one of the best dark reds	.15	1.50	10.00
DOROTHY WHEELER. Beautiful peach pink	.15	1.50	10.00
EVELYN KIRTLAND. Charming bright coral pink, tall graceful stalk	.15	1.50	10.00
GOLDEN KING. Favorite golden yellow	.15	1.50	10.00
HALLEY. Delicate salmon pink	.10	1.00	7.00
HERADA. A rare and stately flower. The pure mauve color is exceptional	.10	1.00	7.00
LE MARECHAL FOCH. Flesh pink	.10	1.00	7.00
LILY WHITE. Snow white, lower petals tinged cream	.15	1.50	10.00

	Each	Doz.	100
MARY PICKFORD. (Certificate of merit Royal Horticultural Society.) A striking novelty of a charming creamy tone blending at the throat with a soft lemon color	.15	1.50	10.00
MRS. DR. NORTON. This flower presents a fascinating color combination. It is a blend of La France pink, cream, sulphur yellow and Tyrian rose	.15	1.50	10.00
MRS. FRANCIS KING. Bright scarlet. A splendid red for every purpose	.10	1.00	7.00
MRS. FRANK PENDLETON. Lovely salmon pink with brilliant dark red blotches in the throat	.10	1.00	7.00
MYRTLE. Dainty clear rose pink melting to creamy white at the throat	.15	1.50	10.00
PANAMA. Rich rose pink	.10	1.00	7.00
PRINCE OF WALES. Clear light salmon. The choicest salmon colored variety	.15	1.50	10.00
SALMON BEAUTY. Delicate pure salmon with pure yellow throat	.15	1.50	10.00
VIRGINIA. A bright fiery red. The flowers are large, the stems strong yet graceful	.15	1.50	10.00
MIXED. A choice mixture containing many named varieties (2 for 15c)	.10	.75	5.50
PRIMULINUS HYBRID GLADIOLUS. A distinct type rich in shades of yellow, orange, apricot, etc. The tall, strong yet slender spikes are more graceful than the ordinary garden varieties	.08	.75	5.50
MINIATURE OR BABY GLADIOLUS. Bulbs available in early fall. As cut flowers for early spring, they have few rivals	.08	.75	5.50
GERMAIN'S "SUNSET" COLLECTION. Twelve large bulbs, splendid varieties (no two alike)	1.00		

SPRING AND SUMMER FLOWERING BULBS

AMARYLLIS

BELLA DONNA. "Bella Donna Lily," blush, delicately shaded with pink or light purple, flowering before the leaves appear, very fragrant and fine for cut flowers, lasting fully a week when cut. Plant in a sunny position, leaving the neck even with the surface of the soil.

	Ea.	Doz.
First size	$0.25	$2.50
A. JOHNSONII. Striped white on red ground; extra fine. First size	.25	2.50
A. VITATTA (American Hybrids.) The most beautiful of all Amaryllis. Our strain is unsurpassed. The flowers average over 8 in in diameter and range from white, through rose, carmine, red and crimson, to deep maroon. Mixed, most beautiful shades; extra choice. Large bulbs	.75	7.50
Medium size	.50	5.00

BEGONIA

TUBEROUS ROOTED

This splendid class of begonias is perhaps the handsomest of all bedding plants for a shady or semi-shaded location. Bulbs may be started in pots early in February or in the open later in the spring. They prefer a rich sandy loam, and should be covered to a depth of two or three inches. Ready about February 1st.

	Ea.	Doz.
Single, separate colors—Rose, scarlet, yellow, bronze, white or mixed	$0.25	$2.50
Double, separate colors—Scarlet, rose, orange, white, yellow or mixed	.35	3.50

CALADIUM

(Elephant's Ear)

The leaves of immense size on massive stems grow to a height of four feet. For a tropical effect this plant has no equal.

	Ea.	Doz.
First size	$0.25	$2.50

Ready for shipment in December.

CALLA LILY

	Ea.	Doz.
AETHIOPICA. The white Calla Lily, or Lily of the Nile, too well known to need further description. Good Flowering size	.25	2.50

ELLIOTIANA, THE YELLOW CALLA LILY

This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white, habit like our old favorite White Calla. Ready for shipment January 1st.

	Ea.	Doz.
Flowering size	$0.25	$2.50
Large size	.35	3.50
Mammoth size	.50	5.00

CANNAS

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment. Spade the Canna bed to a depth of 2 feet, incorporating any fertilizer that may be handy, and keep the plants well watered. The results will be surprising. The following varieties have proved successful in every way:

	Ea.	Doz.
METEOR. The rich crimson-red flowers form immense trusses of great beauty. They are borne well above the foliage and are produced in the greatest profusion. Green leaves. 5 ft.	$0.20	$2.00
LA FRANCE. A beautiful shade of La France rose with a touch of cream in the throat. Green leaves. 4 ft.	.20	2.00
QUEEN HELENE. Immense flowers of a rich golden-yellow spotted with vermillion. Green leaves. 4½ ft.	.20	2.00
MRS. ALFRED CONARD. A popular variety, producing freely large trusses of exquisite shell-pink flowers. Green leaves. 4 ft.	.20	2.00
KING HUMBERT. Perhaps the most widely grown of all cannas. The great orange-scarlet flowers surmount beautiful bronze foliage	.25	2.50
SAN DIEGO. A true orange without red suffusion. Rich and velvety. Bronze leaves. 4½ ft.	.25	2.50
THE PRESIDENT. The greatest red canna. It is neither a crimson nor a scarlet but a glowing pure red which colorists call vermillion. Green leaves. 4½ ft.	.35	3.50

CINNAMON VINE

(DIOSCOREA BATATAS)

	Ea.	Doz
A rapid climber with bright, glossy heart-shaped leaves. It derives its name from the peculiar fragrance of the delicate white blooms. 2 for 25c	$0.15	$1.50

TUBEROSE

	Ea.	Doz.	100
DOUBLE PEARL	$0.15	$1.50	$10.00
MEXICAN EVERBLOOMING, SINGLE. Delightfully fragrant, very free flowering and of the easiest culture	.10	1.00	7.00

IRIS

GERMANICA (German Iris). Though called German Iris, this is truly the Fleur-de-Lis, the national flower of France.

	Doz.	100
Light Blue	$0.50	$3.00
Purple	.75	4.00
White	.50	3.00

NAMED VARIETIES

	Ea.	Doz.
ALBERT VICTOR. Soft blue and lavender	$0.25	$2.50
DELICATISSIMA. White-blue frilled	.25	2.50
IRIS CATERINA. Lavender-violet; falls darker shade with center of same overlaid with purple	.25	2.50
DALMATICA. Standards lavender; falls lavender, shaded blue	.25	2.50
FLORENTINA ALBA. Silvery white, orris root	.25	2.50
FLORENTINA. Azure blue, orris root	.25	2.50
GYPSY QUEEN. Old gold and maroon	.50	5.00
HONORABILIS. Mahogany brown	.50	5.00
INNOCENZA. White	.25	2.50
LORELEY. Fawn and yellow	.35	3.50
LOHENGRIN. Chinese blue	.25	2.50
MAY QUEEN. Soft rose	.25	2.50
MRS. H. DARWIN. White-blue markings	.25	2.50
STYLOSA. Lilac-blue	.25	2.50
YELLOW	.50	5.00

IRIS KAEMPFERII

Our collection of Japanese Iris comprises over fifty of the very finest varieties in existence, double and single blossoms. All colors mixed.

	Ea.	Doz.
Large Clumps	$0.50	$5.00

ISMENE CALATHINA

(Peruvian Daffodil)

	Ea.	Doz.
Large, pure white, Amaryllis-like flowers of unusual appearance. Fragrant and beautiful. Culture same as Amaryllis. Larger bulbs	$0.25	$2.50
Good second size bulbs	.15	1.50

LILIUM

	Ea.	Doz.
AURATUM. "Golden Banded Lily," the finest and most magnificent of the genus. Flowers white, spotted crimson with a distinct golden stripe running through each petal	$0.35	$3.50
RUBRUM. "The Red Lily of Japan." Carmine rose on white ground, spotted with crimson. The most showy of Japanese lilies for the garden and an excellent cut flower	.35	3.50

LILY OF THE VALLEY

	Ea.	Doz.	100
LILY OF THE VALLEY. Forcing pips—very easy to grow indoors in sand or in bulb fibre. In the garden plant in moist and shady place	$0.10	$1.00	$7.50

MADEIRA VINE

	Ea.	Doz.
MADEIRA, or "Mignonette Vine"	$0.10	$1.00

MONTBRETIA

	Ea.	Doz.	100
MONTBRETIA CROCOSMIAEFLORA. Long spikes of showy, orange-colored flowers, with purple—brilliant and showy	$0.10	$0.75	$5.50

ORNITHOGALUM

(Star of Bethlehem)

	Ea.	Doz.
ARABICUM. Beautiful variety throwing a tall spike of numerous star-shaped flowers with a jet-black center and having a distinct aromatic perfume, decidedly pretty when grown in the garden. Large size	$0.10	$1.00

PANCRATIUM

(Spider Lily)

	Ea.	Doz.
CARRIBEUM. Strange and beautiful flower. Pure white and sweetly scented	$0.25	$2.50

RANUNCULUS

(Fair Maids of France)

Surprisingly bright and cheerful flowers in many shades of rose red, salmon, yellow and white. They grow about 15 in. in height and are splendid for cutting or bedding.

	Doz.	100
DOUBLE GIANT FRENCH MIXED	.60	4.00
DOUBLE GIANT FRENCH MIXED EXTRA LARGE ROOTS	1.00	7.50

ZEPHYRANTHES

(Zephyr Flower, or Fairy Lilies)

Very effective for massing or borders, flowering in great profusion during spring and summer; also suitable for pot culture, a few bulbs potted in the fall will give a fine display during the winter.

	Ea.	Doz.
ALBA. Pure white	$0.10	$0.75
ROSEA. Rose pink	.10	1.00

Be Rid of Ants Once For All

Antrol

ANTROL, unlike many otherpreparations, attracts the ants outside your home. The correct installation of the **ANTROL** system places an **ANTROL** jar outside your doorstep and at the various points where the ants normally enter your dwelling. As **ANTROL** itself is more attractive to the ants than almost any other food, it speedily draws a crowd of workers who quickly start carrying the **ANTROL** syrup from the jar to the colony as food. In this way the entire colony is poisoned.

No other method has proved so satisfactory or offers such beneficial results. Once this system is installed around your home, you can enjoy absofreedom from these troublesome pests.

NOTE: **ANTROL** is manufactured according to a United States Government formula.

The jars are of glass with aluminum top and should last a life time. The syrup can be purchased separately to refill the jars when they need replenishing.

	Each
Cottage Sets (like the illustration) containing nine jars of **ANTROL** Syrup, shipping weight 8 lbs.	$1.60
Jars only	$0.15
Pint bottle **ANTROL** Syrup	.65
Quart bottle **ANTROL** Syrup	1.00
Gallons **ANTROL** Syrup	2.75

ANTROL can **not** be mailed.

FLYROL

A perfect fly and insect control; destroys flies, moths, mosquitoes, roaches, bed bugs, fleas, chicken mites, lice and their eggs

At last a positive control for troublesome winged insects wherever they may prove a nuisance. **Flyrol** will rid your home, your stable or your stock yards, of the fly, which modern science recognizes as one of the greatest sources of contagion. FLYROL is easily applied with a fine spray gun; simply spray it in the air in the house and go out and close the room for a few moments; when you return you will find the flies dead on the floor. FLYROL will not injure dress goods, furniture, or the like. It is pleasant to smell and offers an economical and satisfactory control of flies.

Prices:	Each
Pints	$0.55
Quarts	1.00
Gallons	2.75

Can be mailed.

SNAROL

A ready-to-use positive control for hard shelled snails.

SNAROL is a boon to gardeners. It is a specially treated meal, very attractive to snails as food and having the properties necessary for speedily killing them after they have eaten it. One or two applications in the evening will completely eliminate snails in the garden.

Method of applying: After thoroughly wetting the premises, scatter SNAROL lightly over the wet ground. In the morning you will find numerous dead snails. Repeat this application after two weeks to destroy the young that have developed from eggs which might have been laid in the ground.

Do not place SNAROL within the reach of fowls.

Prices	Each
1 lb. package	$0.40
3 lb. package	.75
15 lb. package	3.00

Can **not** be mailed.

DU PONT

SEMESAN

A mercuric disinfectant for use on seeds in general and particularly effective for diseases of vegetable and flower seeds. Also to combat brown patch in golf courses, and for grass seeds generally.

Semesan is one of the most remarkable chemicals developed by modern science. It will kill or control many of the diseases borne on the surfaces and some interiors of even the finest of selected seeds and yet at the same time in no way injure the delicate germ life of the seeds treated. In fact, Semesan stimulates seeds to a growth, vigor and fruition that far exceeds the capabilities of their progenitors.

Semesan is supplied in packages as follows:

2 ounces	$0.50	1 pound	$2.75
8 ounces	1.60	5 pounds	13.00
25 pounds	62.50		

SEMESAN JR.

A special preparation of Semesan used exclusively for the treatment of Seed Corn, both field corn and sweet corn. Increases germination and controls disease resulting in a larger crop of higher quality.

1 pound, $1.75 5 pounds, $8.00

SEMESAN BEL

The premier disinfectant for Potatoes, Bulbs of all kinds, such as gladiolus, roots and tubers. It controls diseases such as Scab, stimulates sprouting, produces healthier plants and larger crops and resists rotting or damping off during cold, wet weather.

1 pound, $1.75; 5 pounds, $8.00; 25 pounds, $37.50

The following booklets are available for free distribution. Send for them.

Potatoes, Bulbs, etc.—Semesan for Tomatoes, Peppers, etc.—Semesan for Truck and Garden Crops—Better Flowers with Semesan.

GOPHERGO

Ready and easy to use. No mixing, no waste, never loses strength. Guaranteed to do the work or your money refunded. The only thing that will get a pocket gopher, and will kill ten where a trap will get one.

Gophergo is manufactured expressly for the Germain Seed Company and we guarantee its effectiveness.

Not mailable.

20 oz. can .....$1.00 10 oz. can.....$0.50

POISONED BARLEY

Extensive experience with this type of Poisoned Barley has shown an efficiency far ahead of any other type of poisoned grain tested. The percentage of squirrels destroyed is far higher than with any other type of poisoned grain used.

The bitter taste of the strychnine is delayed for several minutes and squirrels can place in their cheek pouches a considerable quantity before any bitter taste is noted; it is then too late for the squirrel to get rid of the poison, as enough has been absorbed to kill the animal.

Prices, 1 pound can 40 cents; 5 pound can $1.50; 50 pound drum $9.00; 100 pound drum $16.00 **Not mailable.**

LEMON OIL

An effective insecticide for scale and plant lice on ferns, palms, rubber plants, etc. Will not injure the blossom or foliage. Use one tablespoonful of LEMON OIL to one pint of water.

Prices: ½ pint, 45c; 1 pint, 70c; quart, $1.20.

Black Leaf 40. 1 oz. 35 cts. ea., ¼ lb. $1.25 ea., 2 lbs. $3.50 ea., 10 lbs. $13.50 ea. Cannot be mailed.

Bluestone. 1 lb. 15 cts., 10 lbs. $1.25. Can be mailed.

Bunts Gopher Gas Balls. Each 5 cts., doz. 50 cts., per carton of 125 $3.50. Cannot be mailed.

Corona Bordeaux Mixture. ½ lb. 25 cts. ea., 1 lb. 40 cts. ea., 5 lbs. $1.50 ea. Can be mailed.

Corona Dry Arsenate of Lead. ½ lb. 25 cts. ea., 1 lb. 45 cts. ea., 4 lbs. $1.00 ea. Cannot be mailed.

Fish Oil Soap. 1 lb. bars 25 cts. ea., 25 lb. box $4.50 ea., 100 lb. box $15.50 ea. Can be mailed.

Lee's Garden Insecticide. (For general garden pests). 1 lb. size 35 cts. ea., 2 lb. size. 60 cts. ea. Can be mailed.

Lime Sulphur Solution. Pints 25 cts ea., quarts 40 cts. ea., gal. $1.00 ea. Cannot be mailed.

Rosin Spray. 1 lb. size 35 cts. ea., 2 lb. size. 60 cts. ea., 3½ lb. size, 90 cts. ea., 40 lb. size $6.00 ea. Can be mailed.

Sulphur. Anchor Brand, per lb. 10 cts., per sack of 110 lbs. $5.40. Can be mailed.

Tobacco Dust. Per lb. 15 cts., per 5 lbs. 65 cts., per 10 lbs. $1.25. Can be mailed.

Tree Tanglefoot. For tree climbing insects. 1 lb. 60 cts., 5 lbs. $2.75. Can be mailed.

Zelio Rat Poison. 50c. Can **not** be mailed.

CARBOLA

The Disinfectant Germ Killing White Paint

Will not blister, flake or peal off. 1 lb. will make 1 gallon of paint. Price 5 lb. size 85c; 10 lb. size $1.50; 50 lb. size $6.25; 200 lb. size $22.00.

FARMOGERM

A SEED INOCULANT THAT INCREASES CROP PRODUCTION

Seeds of all legumes—beans, peas, clover, alfalfa, and related crops—will produce far better if inoculated with **Farmogerm.** In addition to the increased crops, these legumes leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops.

No other inoculant will thoroughly inoculate as much seed. The one-acre size bottle of **Farmogerm** is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada field peas, 60 pounds of vetch, etc. A different culture is required for each crop. Be sure to state what crops you wish to inoculate.

FARMOGERM PRICES

SMALL SEED VARIETIES

¼	bushel unit	$ .35
½	bushel unit	.60
1	bushel unit	1.00
2½	bushel unit	2.25

LARGE SEED VARIETIES

½	bushel unit	$ .35
1	bushel unit	.60
5	bushel unit	2.25

STIM-U-PLANT

AN ALL-THE-YEAR FERTILIZER FOR GARDEN AND HOUSE PLANTS

These tablets increase production, heighten color and improve quality immediately. Many professional and amateur growers use them extensively all the year round—from early spring until late fall outdoors, during the winter for pot plants, hot-house benches, etc. They are as fine for evergreens and other trees as for all garden and potted plants.

EASY TO USE

Simply insert tablets in soil near plants, or dissolve in water at the rate of four tablets to the gallon and apply as liquid manure. Complete directions with every package.

Order Stim-U-planT tablets with your seed and plant order. Price, trial size, **15** cts., small size, **25** cts., 100 tablets, **75** cts., 1000, **$3.50.**

RAFFIA—FOR MAKING INDIAN BASKETS

The beautiful and useful articles that can be made of this material besides Indian Baskets are so numerous that space will not allow us to mention more than a few of them such as Hats, Table Mats, Opera or Hand Bags, Sofa Pillows, etc.

Price List—Raffia

Natural, per bunch	$0.10
Natural, per pound	.40
Colored Raffia, per bunch	.10
Colored Raffia, ½ lb. size	1.00
Colored Raffia, per pound	1.75
Needles, per dozen	.30

List of Colors

No. 1 Peacock
No. 2 Light Green
No. 3 Emerald Green
No. 4 Golden Brown
No. 5 Seal Brown
No. 6 Rose
No. 7 Red
No. 8 Orange
No. 9 Yellow
No. 10 Light Blue
No. 11 Dark Blue or Violet
No. 12 Black

Reeds, Chinese

Sizes No. 1 (smallest) to No. 7 (about the size of a lead pencil) put up in bunches.

Each $0.10

No. 1, per lb.	$2.00	No. 5, per lb.	$1.60
No. 2, per lb.	1.90	No. 6, per lb.	1.50
No. 3, per lb.	1.80	No. 7, per lb.	1.40
No. 4, per lb.	1.70		

RABBIT REMEDIES AND SUPPLIES

Rabbotene Tonic Salt Spools (roll of 10)	$1.05	Silmo, quart	$1.50
Silmo, pint	1.00	Silmo, gallon	5.40

BOOKS

Diseases and Treatment of the Rabbit	$1.00	Utility Rabbit Keeping	$1.00
The Chinchilla Rabbit	.50	Pedigree Books, 50 copies	1.25
		Hutch Plan Portfolio	1.00

SUPPLIES

Ideal Tattoo Ear Marker	$0.75	Easy Tan Compound	$0.75
Ideal Syringer	$0.40		

REMEDIES

Liverene	$1.00	Slobberene	$0.75
Koldene	.75	Ventene Ointment	.50
Rabbit Cold Specific	.75	Eye Lotion	.50
Diarrhoea Medicine	.75	Vigorene	.50
Kankerene	.50	Worm Medicine	.75

RABBOTENE TONIC AND REGULATOR $1.00

IDEAL HUTCHES AND METAL PARTS

Ideal 4 Compartment Hutch, complete (no roofing paper; ready cut)	$25.00	Ideal Patent Metal Hay Troughs, each	.50
Ideal Metal Hutch Parts, complete, 4 compartment, each	11.00	Ideal Metal Feed Cups, with clips, each	$ .35
Ideal Patent Metal Doors, complete, with lock, each	1.75	Ideal Patent Metal Door, 2 compartment hutch, each	1.25
Ideal Patent Metal Hay Racks, complete, with 2 hay guards, each	1.00	Ideal Fur Stretchers	.15
Ideal Hay Rack	.50	Ideal Grain Feeder	.40
		Ideal Grain Trough	.70
		Ideal Hutch Card Holders	.50
		Ideal Hutch Cards, pkg.	.50

Ideal Breeding Record Cards, pkg. (25).. .50

BOOKS

AGRICULTURAL BOOKS

California Flowers, Wickson	$2.00
California Fruits, Wickson	4.00
California Vegetables, Wickson	2.50
Citrus Fruits and Their Culture, Coit	3.25
Gardening for Profit, Henderson	2.00
Grape Growers Guide, Charlton	1.50
Greenhouse Construction, Taft	2.25
Hand Book of Plants, Henderson	3.50
Landscape Gardening, Waugh	1.25
Plant Propagation	2.25
Pruning Manual, Bailey	2.50
Forcing Book, Bailey	2.00
Farm and Garden Rule Book, Bailey	3.25
The Nursery Manual, Bailey	2.50

POULTRY AND MISCELLANEOUS BOOKS

Standard of Perfection	$2.50
Call of the Hen	2.00
Ducks and Geese	2.00
How to Build Poultry Houses	.75
Canary Breeding and Training	.35
Diseases of Cage Birds	.50
Feathered Pets	.35
Popular Parakeets	.50
Parrots and Other Talking Birds	.35
Profit and Pleasure in Goat Keeping	.50
Aquaria	.25

THE WESTERN POULTRY BOOK WILL TELL YOU—

How to cut down the feed bill.
How to increase egg production.
How to prevent disease.
How to take care of the sick fowl.
How to build your poultry house.
How to raise your baby chicks.
How to raise them to layers.
How to raise fryers
How to raise turkeys and other fowl.
How to turn the backyard flock into profit.

220 pages by Mrs. Basley.
Price $1.00 postpaid

BOOK FOR FREE DISTRIBUTION

Postage 2 cts. each.

Garden Pests and Their Contro.
The Home Cow Doctor
Lees Poultry Book
Less Poultry Troubles
Care and Feeding of Dogs
Treatise on the Dog
Treatise on the Cat
Kennel Manual
Conkeys Poultry Book

Incubator Thermometers [96] are listed on page 99

SPRAY PUMPS

Write for Complete Spray Pump Catalogue

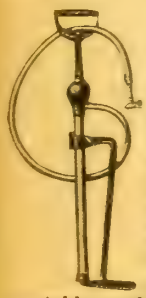
"PRIZE" SPRAYER, FIG. 669
For Garden and Greenhouse Spraying

Without some type of bucket spray pump ·o assortment of garden tools may be said to be complete. The Prize" is much used for spraying small trees, garden truck, flowers and shrubbery; washing windows, porches, autos and buggies; applying whitewash and disinfectants in barns and poultry houses; applying cattle-fly oil, stock dip, etc.

This is our lowest priced spray pump, but it is often referred to as "much in little." The "Prize" is double acting, discharging one-half the solution on both the up and down stroke, giving a continuous spray. It is light; easy to carry; and is "built for business," will develop a good pressure; is easy to operate; is practically non-breakable and will last for years.

Shipping weight, 9 lbs.

"Prize" bucket pump, as illustrated... **$5.00**
With "Bordeaux" nozzle instead of "Acme"..... **5.50**



"SUCCESS" SPRAYER, FIG. 659
For Garden and Greenhouse Spraying, Etc.

Without doubt, this is the most popular bucket spray pump on the market. Hundreds of thousands of them are today in use all over the civilized world. It is similar to the "Prize" pump, except that it has a large brass air chamber, which acts as a cushion while the pump is operated, and delivers a more uniform stream.

For spraying a small number of trees, for flower and vegetable gardens, greenhouses, etc., it is practically indispensable. The "Success" is also widely used for washing windows, buggies and autos, for applying whitewash and disinfecting barns and poultry houses, also for applying cattle-fly oil, stock dip, etc. An easy working, powerful pump, will last a lifetime if given reasonable care.

Shipping weight 10 lbs. Each..... **$7.25**

PERFECTION SPRAYER

Capacity 4 gal. Weight 10 lbs.
Galvanized tank..... **$ 7.50**
Brass Tank..... **10.50**

"PERFECT SUCCESS" SPRAYER, FIG. 689
For Spraying Small Fruit Trees, Gardens

Fig. 689—The "Perfect Success" spray pump has some advantages over the "Success" pump in that the adjustable foot rest is combined with a bucket clamp. By means of this device, the pump and bucket are rigidly fastened together so the whole outfit can be carried from place to place by the bail when bucket is filled with mixture. Except for the combination clamp and foot rest the pump is the same as the "Success," and it has 4 feet of discharge hose instead of 3 feet. **The bucket is not furnished** but is illustrated to show how the outfit is used.

Shipping weight 12 lbs. Each.... **$8.00**

DEMING SPRAYING NOZZLES

Fig. 965—"Bordeaux." It is the best general purpose spray nozzle ever produced. Throws a solid stream, coarse long-distance spray, or a fine mist, or it may be shut off. It is an excellent nozzle also for whitewashing, disinfecting, etc. Easily disgorged..... **$1.20**

Fig. 766—"Simplex," light, durable and compact. Adapted for high pressure. Has two interchangeable steel spray discs, one coarse and one medium-fine spray. Does not waste liquid.. **0.75**

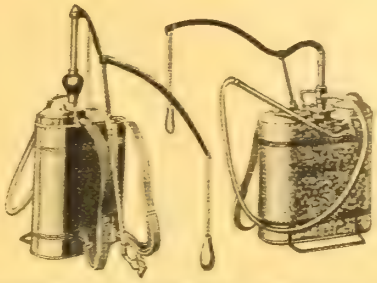
Fig. 766½—"Simplex" angle nozzle, similar to Fig. 766..... **0.80**

Fig. 753—"Demorel," similar to "Vermorel," but somewhat lighter in weight, with caps for fine and coarse sprays.... **1.00**

Fig. 963—"Vermorel," with caps for fine and coarse sprays. Obstructions readily forced out with spring disgorger. **1.00**

JUNIOR SPRAYER

Capacity 2½ gal. Weight 9 lbs.
Galvanized tank..... **$6.00**
Brass tank..... **8.00**



KNAPSACK SPRAYERS, FIGS. 675, 654
For Garden, Vineyard and Greenhouse

Fig. 675—The "Success" Knapsack sprayer (the cut to the left) is a useful implement for the florist and grower of vegetables and small fruits. As a vineyard sprayer it is much used, but sprayers of large capacity are now more in use for this purpose.

Fig. 654—"Prize" Knapsack sprayer (cut to the right) is similar to Fig. 675, except that the tank is of galvanized iron, and the "Prize" pump is used.

Shipping Weight—The weights boxed for shipment are about 40 pounds.

Fig. 675—With brass tank as described. **$21.00**
Fig. 654—With galvanized tank..... **16.00**

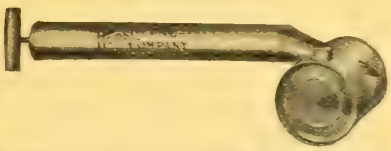
THE FEENY DUSTER

The most satisfactory small garden duster ever put out. Very satisfactory. Price each **$1.25**

HUDSON DUSTER

1 pt. size each **50** cts.

NEW MISTY



Carefully made and tested of good stock. The pump passing through the top of the can makes it very strong.

Price..... **$0.50**

GERMAIN'S
Continuous Atomizer

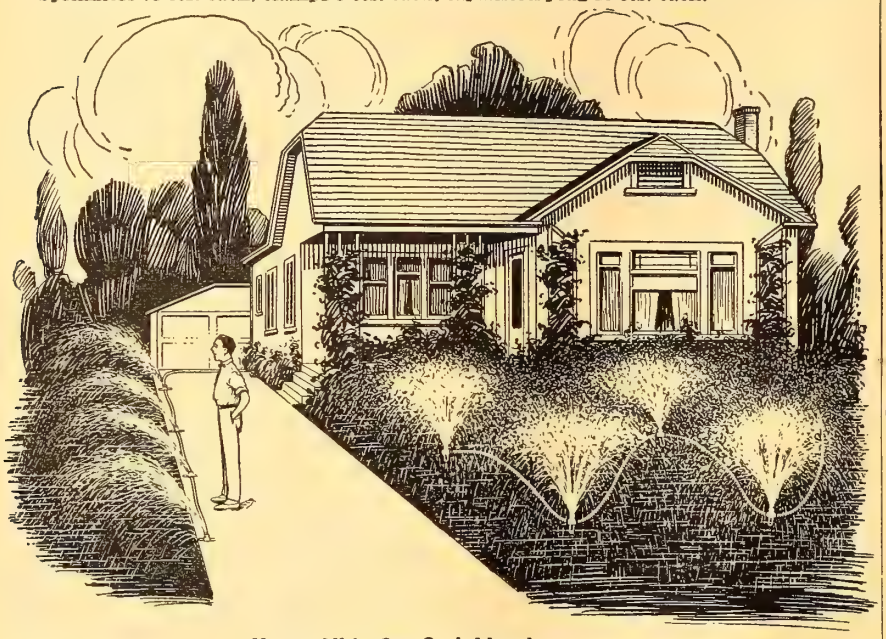
This Sprayer operates continuously on both the up and down stroke and throws a fine misty spray.

Tin, **$1.00**; Galvanized..... **$1.25**
Brass..... **2.25**

SPRINKLERS

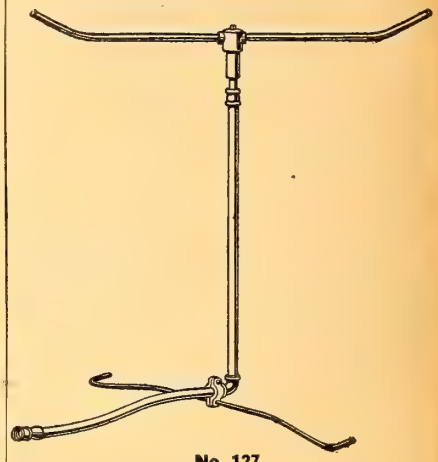
HAWES ALL IN ONE SPRINKLERS

Use 4 for a 50 ft. length of ¾" hose and you have a sprinkling system without the expense. A set of 4 complete with hose clamps and expansion plug $3.50 post paid. Sprinklers 75 cts. each, clamps 5 cts. each, expansion plug 10 cts. each.



Hawes All in One Sprinklers in use.

THOMPSON "PREMIER" REVOLVING SPRINKLER



No. 127

With 50 pounds pressure this sprinkler will cover a circle 70 feet in diameter.

Galvanized Steel Construction
Bearings, Tobin Bronze to Velvet Babbitt
Height of ¾ in. Standard, 30 inches
Length of Arms over all, 36 inches
Weight, 12 pounds each.

No. 125 Covers 50 ft.	each $5.50
No. 126 Covers 60 ft.	each 6.00
No. 127 Covers 70 ft.	each 7.00

GERMAIN'S AUTOMATIC LAWN WEEDER

The Gernain Automatic Lawn Weeder will kick out clover, bunch grass, dandelions, watercress, in fact, all weeds that a lawn may be infested with.

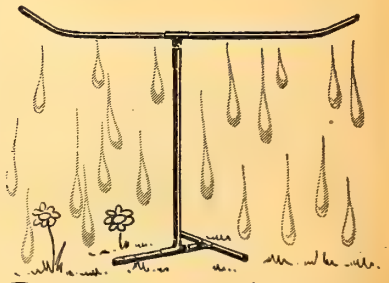
A little girl with a Germrin Automatic Lawn Weeder can easily do the work of three or fourmen in weeding a lawn and do it better. And she does it standing in an upright position. No stiff back, no sore knees, no soiled hands. She could weed the lawn in her evening gown without soiling her hands.

All you have to do is firmly grasp the handle of the Germain Automatic Lawn Weeder, put point of weeder against weed, place foot against foot rest, do not move foot, just pull handle towards you, using foot as a pivot and the weeder will automatically kick the weed out.

There are no complicated parts, no knives to sharpen, nothing to get out of order. It's fool-proof.

Price, 85c each, postpaid.

TUTHILL ROTARY SPRINKLER



RAIN—when you want it—

PRICE LIST

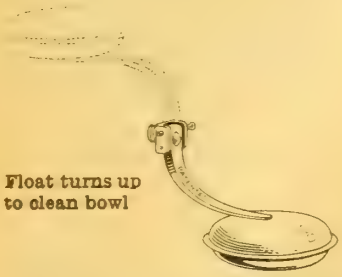
No.	Arms Over all	Tee base Width	Diameter Area cov. 50 lb. pres	Price ea. Tee base
1	¼x18"	24"	50'	$5.00
2	¼x36"	24"	60'	6.00
3	⅜x36"	24"	70'	7.00
4	½x36"	24"	90'	9.00

POULTRY ACCESSORIES—THERMOMETERS

Hawes Automatic Water Valve

These Simple Valves Solve the Watering Problem

At last a trouble-proof water valve that works automatically! It is so simple in design, so perfect in operation you will marvel you did not think of it yourself. Easy to attach—nothing to get out of order. A hollow metal float rests on the surface of the water, as level rises and falls, valve automatically closes and opens. This insures a constant supply of pure, clean drinking water—a vital factor in successful poultry and small stock raising.



A combined automatic valve and individual shut-off. The automatic valve, complete in a screw cage, is as easily removed for cleaning or replacement as a tire valve. The needle valve may be adjusted to reduce the water pressure or used as a shut-off, to avoid disturbing the rest of the line.

Adjusted to drip, fowls need never be without water should automatic become obstructed. Made entirely of copper and brass, nothing to rust or wear out.

Valve only..... **$1.00**
With Individual Shut-off..... **1.35**

BEUOY CAPON SETS

Especially designed to simplify the operation of caponizing, so that the beginner can easily master it. We recommend it as the best low-priced set in popular use. Full printed directions with each set.

Price—In substantial wood cases....**$ .50**
Caponizing Set complete with Bow... **5.50**

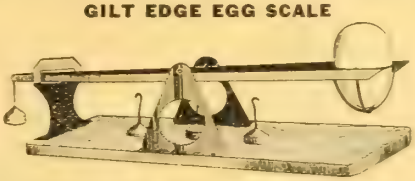
HUMPTY DUMPTY EGG CARRIER

Has been for years the most popular Egg Carrier on the market. It is the most convenient and cheapest obtainable; holds 12 dozen eggs, uses the same cardboard fillers as the ordinary egg cases, can be folded into very small space; weight 6 pounds. Price, complete with Fillers, **$1.00**

NEST EGGS

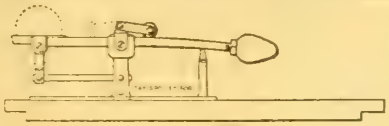
The Common China Glass Egg, indispensable for the chicken yard. **5c. each; 50c** per dozen.

GILT EDGE EGG SCALE



Success of California producers has been the result of careful standardizing of their products. So it is with the egg producers; those who are making a success are those who are grading their eggs and selling them according to their weight value.

The **Gilt Edge Egg Scale** is the only Egg Scale made that will give you a correct grading within a range of weights from 17 to 30 ounces to the dozen. Price, **$2.00.**



RELIABLE EGG SCALE

The **Reliable** Egg Scale is built for speed, accuracy and endurance.

The **Reliable** Egg Scale has a quick double shift, just a flip of the finger, and you can get all the weights required with the one shift, thereby taking the place of two scales.

Price, **$2.90** each.

CHICK BOXES FOR SHIPPING BABY CHICKS

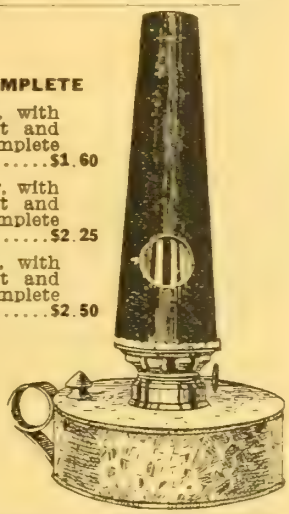
Our **Baby Chick Shipping Boxes,** like the egg boxes, are made of strong corrugated paper conveniently arranged in compartments to hold 25 chicks and come in from one to four compartments to hold 25, 50 and 100 chicks. Prices, 25 chick size, **30c; $3.00** per dozen.; 50 chick size, **40c; $4.00** per dozen; 100 chick size, **60c, $6.00** per dozen.

LAMPS COMPLETE

No. 2 Burner, with 6-inch Fount and Chimney, complete
Price each.....**$1.60**

No. 3 Burner, with 7-inch Fount and Chimney, complete
Price each.....**$2.25**

No. 3 Burner, with 8-inch Fount and Chimney, complete
Price each.....**$2.50**



GERMAIN'S EGG TESTER

For testing eggs for hatching; fits any ordinary size house lamp or the lamp furnished with the Cypher's and Queen Incubator. Price, **No. 2, 45c ea.; No. 3, 50c each.**

No. 3 **No. 2**

SEARCHLIGHT EGG TESTER

This electric tester is the most simple and at the same time most efficient tester yet devised. By simply moving the tester over the rows of eggs, the searchlight effect on the air cells of the egg illuminates the entire contents and as the germ always rises to the top it instantly and clearly appears in plain view. Weak or dead germs, blood-spots, cracked shells and clear eggs are all instantly detected. Price, **$5.00.**

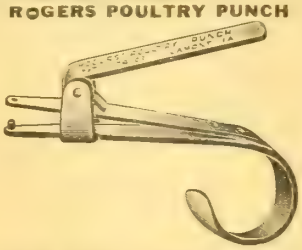
"SPIR-OL"

Celluloid Leg Bands Are Best, Because:—They are easily placed, easily distinguished, cannot come off, can be used over again, do not break, they are cheap. **Colors,** Black, White, Red, Yellow, Blue, Green, Purple, Light Blue, Maroon and Pink.

When ordering be sure to state size and breed of fowl.

Prices, postpaid, **15c** for 12; **25c** for 25; **40c** for 50; **60c** for 100; **$5.00** for 1000.

ROGERS POULTRY PUNCH



All Steel, Nickel Plated, Punches Clean Hole; is right size; will not bruise the foot.

Price, **40c** by mail.

TYCOS INCUBATOR THERMOMETER

No. 5775

Black oxidized brass scales, white filled figures and graduations, mercury tubes, angle pattern, flange turned over on upper edge to hook on wire or metal strip.

Price, **75c** each, postpaid.

No. 5770—Straight Pattern.....Each **$ .75**
No. 5783—Certified, same Pattern as No. 5774.....Each **1.00**

No. 5792 BROODER THERMOMETER

When placed in a hole in top of the brooder or hover the scale can be read from the outside while the bulb of the thermometer is inside. Price each **75c.**

TYCOS HYGROMETER

Millions of chicks die in the shell every year for the want of proper moisture conditions. The importance of a correct percentage of moisture during incubation has made the **Tycos Hygrometer** as necessary as the **Tycos Incubator Thermometer.** Neither takes the place of the other, but together they give the practical poultry raiser all the facts required for successfully regulating the heat and moisture of his incubators. The **Tycos Incubator Hygrometer** is not a regulator of moisture, but an indicator, showing (together with the Tycos Incubator Thermometer) exactly what the conditions are, so that if not correct they may be made so.

Standard grade **Tycos Incubator Hygrometer,** black oxidized brass scales, white filled figures and graduations, glass water cistern, silk wick, complete directions with each instrument. Price, **$1.75** each.

Extra Silk Wicks for Hygrometers, **15c** each

Booklets on Incubator and Dairy Thermometers sent upon request.

Incubators and Brooders [99] are to be found on page 101

REMEDIES AND DISINFECTANTS

LEE CO. REMEDIES
THE LEE WAY

Egg Maker, 2-lb	$ .50
Egg Maker, 5-lb	1.00
Egg Maker, 12-lb. size	2.25
Egg Maker, 25-lb. size	4.50
Egg Maker, 100-lb. size	15.00
Egg-O-Hatch	.50
Egg-O-Latum	.50
Egg-O-Latum	1.00
Flyo-Curo, qts	.60
Flyo-Curo, 2 qts	.90
Flyo-Curo, gal	1.50
Germozone	.40
Germozone	.75
Germozone, qts	1.50
Germozone, 1-gal. jugs	4.50
Germozone, tablets	.25
Germozone, tablets	.75
Germozone, tablets	1.50
Dip, pts	.50
Dip, qts	.75
Dip, ½-gal	1.25
Dip, 1-gal	2.00
Lice Powder	.30
Lice Powder	.60
Lice Killer, qts	.60
Lice Killer, 2 qts	.90
Lice Killer, 1-gal	1.50
Lice Killer, 5-gal	7.00
Best Conditioner, 2-lb	.50
Poultry Worm Powder	.25
Best Conditioner, 7-lb	1.25
Stock Worm Powder	.35
White Diarrhoea Remedy	.25
White Diarrhoea Remedy	.50

PREMIUM INTESTINAL CLEANSER FOR POULTRY

Formula of A. M. Pollard, Former Extension Instructor in Poultry Husbandry at Delaware Agricultural College.

Intestinal worms are the cause of most of the diseases of poultry. This Cleanser does not expel the worms, but causes them to be digested, thereby retaining in the birds all of the elements previously taken from the birds. In expelling these worms all of the elements are lost.

Price, **35c** per lb.; 5 lbs. for **$1.50.**

BUHACH

Buhach is an insect powder that will get rid of house flies, ants, bedbugs, fleas on dogs and cats, lice on chickens and rabbits—in fact it will drive out many insect pests. It is a necessity in every house, as it protects from loss and adds to the comfort and peace of the residents. In **25c, 50c** and **$1.50** package s.

CONKEY REMEDIES

Roup Remedy	$ .30
Roup Remedy	.60
Roup Remedy	1.20
Roup Remedy, 5-lb can	5.75
Roup Remedy	2.50
Roup Pills	.30
Roup Pills	.60
Roup Pills	1.20
Roup Pills	3.00
Cholera Remedy	.30
Cholera Remedy	.60
Cholera Remedy	1.20
Cholera Remedy	3.00
Gape Remedy	.30
Gape Remedy	.60
White Diarrhoea Remedy	.30
White Diarrhoea Remedy	.60
White Diarrhoea Remedy	1.20
White Diarrhoea Remedy	3.50
Sorehead Remedy	.30
Sorehead Remedy	.60
Sorehead Powder	3.50
Lice Powder, 5-oz	.25
Lice Powder, 15-oz	.45
Lice Powder, 48-oz	.90
Lice Powder, 12-lb. pail	1.60
Lice Powder, 25-lb. pail	3.00
Lice Liquid, 1-qt	.60
Lice Liquid, 2-qt	.90
Lice Liquid, 1-gal	1.50
Lice Liquid, 5-gal. can	7.00
Head Lice Ointment, 1-oz	.15
Head Lice Ointment, 3-oz	.30
Lice Fix	.30
Lice Fix	.60
Poultry Tonic, 1½ lbs	.30
Poultry Tonic, 3¼ lbs	.60
Poultry Tonic, 7-lb	1.20
Poultry Tonic, 12-lb. pail	2.00
Poultry Tonic, 25-lb. pail	3.50
Poultry Tonic, 50-lb. bag	6.00
Poultry Tonic, 100-lb. bag	11.00
Nox-i-cide, 1 pt	.50
Nox-i-cide, 1 qt	.80
Nox-i-cide, 2 qt	1.30
Nox-i-cide, 1 gal	2.00
Nox-i-cide, 5-gal. can	9.50
Nox-i-cide, 10-gal., 1 to case	18.00
Canker Special	.60
Bronchitis Remedy	.60
Corema Yeast	2.00
Limber Neck Remedy	.60
Scaly Leg Remedy	.30
Poultry Laxative	.30
Poultry Laxative, 5-lb	2.75
Black Head Remedy	.60
Poultry Worm Remedy	.30
Poultry Worm Remedy	.60
Poultry Worm Remedy	2.75
Poultry Conditioner	.30
Poultry Conditioner	.60
Flea Salve (stick-tights)	.30

FLY KNOCKER

Fly Knocker, 1 qt	.70
Fly Knocker, 2 qt	1.15
Fly Knocker, 1 gal	1.75
Fly Knocker, 5 gal	8.00
Fly Knocker, 10-gal	15.50

STOCK REMEDIES

Stock Tonic, 1-lb	.30
Stock Tonic, 2¼-lb	.60
Stock Tonic, 5-lb	1.20
Stock Tonic, 12-lb. pail	2.50
Stock Tonic, 25-lb. pail	4.25

BAG BALM

A Great Healing Ointment

Bag Balm is a most effective remedy for chalked bags, cow pox, chapping, bunches, inflammation, chafing, extreme soreness and tenderness. It is invaluable in relieving any udder trouble. Also used for cuts and bruises. Fever spots are cooled and inflammation is allayed almost immediately. It keeps little hurts from getting big and is a great aid around the calving period.

Pri ce, **60c** per package.

KOW-KARE

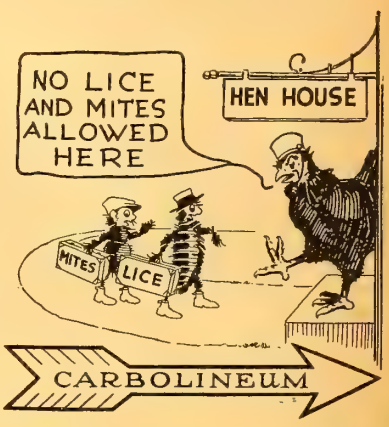
Both need "Kow Kare"

Kow-Kare has positive medicinal qualities that act upon the organs of production and reproduction, making them function properly. It is widely used as a preventive of disease, and is especially effective in removing such ailments as Scouring, Lost Appetite, Bunches or Red Water. For the treatment of Abortion, Barrenness, Retained Afterbirth or Milk Fever it has no equal. It's use upon "poor milkers" will usually increase the milk flow from 10 to 20 per cent.

Price, **65c** and **$1.25.**

Be sure and send 2 cents postage for Latest Edition of The Home Cow Doctor—FREE.

ARROW CARBOLINEUM



A single application of **Arrow Carbolineum,** however, will be sufficient to destroy and eradicate mites from a poultry house for a whole year or more. It kills every louse or mite it touches, it can be used with a brush or a sprayer and will readily penetrate all cracks and crevices and thus reach the mites at close quarters.

We guarantee that one thorough application of Arrow Carbolineum, either by brush or sprayer, to the interior walls of a hen-house or barn, after a previous cleaning, and no matter whether they consist of wood, tar paper or plastering, will exterminate the vermin in same for a whole year.

Quarts, **65c;** gallons, **$2.00;** 5 gallons, **$9.00**

INCUBATORS AND BROODERS

THE BABY QUEEN

No. 1—5-Egg Capacity Each, $26.00

Floor space, including lamp, 23x28 inches.
Egg tray, 16½x18½ in.
Shipping weight 80 lbs.
Just the right size for those who keep only a few chickens, or for the fancier to use for small select hatches.

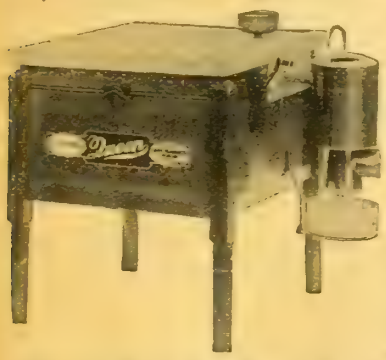
No. 2—135 Egg, Each, $34.00 **No. 4—275 Egg, Each, $52.50**
No. 3—180 Egg, Each, 41.00 **No. 5—400 Egg, Each, 62.50**
No. 25—600 Egg, Each, $96.50

STYLE K QUEEN INCUBATORS

The Style K line of Incubators is not of the same high standard as our Queen line, in material nor workmanship, but they embody all the principles that have made the Queen line so successful and famous.

However, they are good substantial machines, built to sell at a lower price to people to whom price is an important consideration.

The regulator is the same as the Queen, except of lighter construction, and has a three-inch brass wafer.



No. 20—70-Egg Capacity Each, $17.75

All Copper Tanks and Heaters

Floor space, including lamp, 23x28 inches.
Egg tray, 16½x18½ in.
Shipping weight, 46 lbs.
This little machine is a wonder for the money. It is not so thoroughly constructed, nor so completely equipped as the regular Queens, but it is made of California Redwood, has a copper heating system, and a special Queen Regulator. It will serve the need of those who want to get into the poultry business on a small scale economically.

No. 21—130-Egg Capacity, Each, $27.00
No. 22—220-Egg Capacity, Each, $34.50

GRAVES ELECTRIC INCUBATOR

The Graves Electric Incubator will deliver a heat so uniform that variations will not show on a thermometer. Eliminates danger of fire. A ventilating and moisture control system of marvelous simplicity and efficiency. No smoking lamps with their soot and dirt. Guaranteed to produce results without condition.

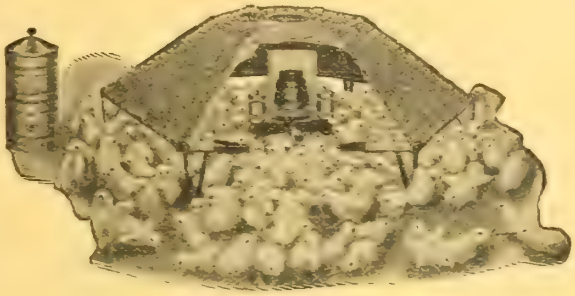
Price—125 egg special **$19.50**
125 egg size **32.50**
250 egg size **45.00**
500 egg size **67.50**

Write for descriptive booklet.

SOL-HOT BROODER

A positive oil control. **Reduced oil consumption.**
Increased heat production. **Automatic oil control.**
A perfect, even heat distribution.

AUTOMATIC THERMOSTAT



BROODER COMPLETE

Sol-Hot's Wonderful Success Is Your Gain

Baby Sol-Brooder, with 20 in. canopy, capacity 100 chicks, shipping weight 25 lbs. 1 gal. oil capacity **$12.50**
Standard Sol-Hot Brooder with 34 in. canopy, capacity 250 to 300 chicks, shipping weight 39 lbs. 2 gal. oil capacity .. **18.50**
Standard Sol-Hot Brooder with 44 in. canopy, capacity 500 chicks, shipping weight 50 lbs. 2 gal. oil capacity **22.50**
Standard Sol-Hot Brooder with 54 in. canopy, capacity 1000 chicks, shipping wight 61 lbs. 2 gal. oil capacity **25.00**

The Baby Sol-Hot, the 34 in. and the 44 in. sizes can be shipped by parcel post.

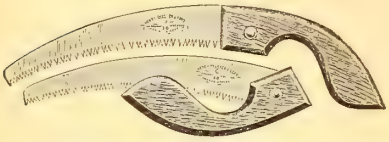
The GRAVES direct applied ELECTRIC INCUBATORS & BROODERS

BROODERS. **(Lot numbers indicate capacity.)**

No. 100—Diameter 30 inches—weight, crated 50 lbs. Average power consumption 60 watts per hour $18.00
No. 200—Diameter 42 inches—weight, crated 80 lbs. Average power consumption 75 watts per hour 25.00
No. 350—Diameter 54 inches—weight, crated 120 lbs. Average power consumption 100 watts per hour 30.00
No. 500B—Diameter 66 inches—weight, crated 170 lbs. Average power consumption 125 watts per hour 35.00

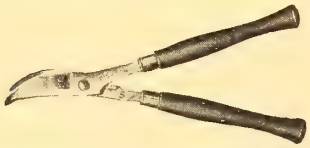
Complete with thermometer, set up ready to operate. Designed for 110 volt service unless otherwise specified. Prices of component parts upon application.

DISSTON PRUNING SAWS



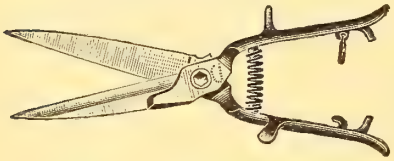
Extra cast steel blade, beech handle, three brass screws. 12-inch.....$1.25
14-inch..... 1.40
Crescent, folding handle..... 1.50

DISSTON UTILITY PRUNER NO. 5



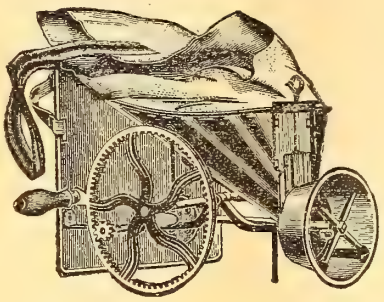
9-inch black handles. Full polished. 3¼-inch blades. Made well balanced with short handles for all kinds of light pruning. Weight 1¼ lbs. Each $2.00

GRASS SHEARS



Polished blades, black handle.
No. 09....$1.25 ea. No. 90....$1.50 ea.

CAHOON SEEDER



Will sow all kinds of grass and grain seeds from 4 to 8 acres per hour at a common walking gait. Heavy seeds, such as wheat, will throw 40 feet (20 feet each side of the operator); lighter seeds of course,, will not be thrown so far. Weight 8 pounds.
Price.....$6.00

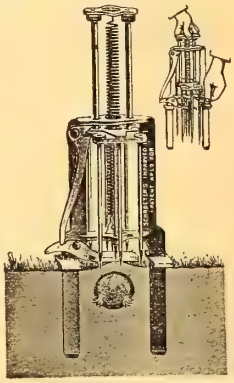
LITTLE WONDER HEDGE TRIMMER

One of the finest tools devised for keeping the hedge trimmed evenly. Simple to operate and easy to use. Makes hard work a pleasure. Instead of a slow, tedious, uneven job which is the case when the ordinary hedge shears are used you get the work done in a fraction of the time and you are well pleased with the results. In two sizes.

30-inch size $19.75
40-inch size 25.00

MASTER'S PLANT SETTER

Is a practical tool for transplanting cabbage, tomatoes, tobacco, sweet potatoes, cauliflower, peppers, egg plant, strawberries and all similar plants. Each plant is set, watered and covered in one operation. There is no stooping or bending over, just straight ahead easy, pleasant work. All of the hard, tedious labor of hand setting is done away with. One man will set more plants than three men can do by hand and do it better and easier. It does perfect work and every plant will grow.
Each.....$6.00



SCHROETER MOLE TRAP

A new mole trap and easily the most effective one yet devised. A sure and quick means of ridding the place of moles. These pests do their damage quickly and should be guarded against.
Each $2.50

GOLDFISH, FOODS, ACCESSORIES

Write for Price List

Today the ornamental Fish has come into its own and no home decorative scheme is considered complete without colorful, fancy shaped Fish in attractive bowls for aquariums. Cleanly washed river sand or gravel and some ornamental piece of rockwork should be placed in the bottom. It is also necessary to have some fresh water plants that will grow underneath the water, in order to supply oxygen. Scavengers and snails should be included in the equipment as they clean up refuse that would otherwise decay and spread disaster through the aquarium.

DECORATIVE FISH

We have a wide assortment of ornamental fish in a varying degree of sizes and color, including Gold Fish, Telescope Eye Fish, Straight-tails, Dwarf Transparent, Calico and others. There is a great variation in the color of the Telescope Eye—some are all black, others are black and gold, gold and white, and blue-black and gold. The latter are called Calico fish. The Dwarf Transparent Gold Fish are exceedingly small and only grow to one inch in length. They are transparent and stay near the top of the water. Write for price list.

FISH FOOD

Spratt's Aquarium Fish Food..... .10 per pkg
Germain's Special Fish Food ..... .10 per pkg

SCAVENGERS

Scavengers resemble snails but are much smaller in size. Both scavengers and snails are necessary in aquariums as they eat the refuse and keep both water and glass clean. Price on application.

FISH BOWLS AND AQUARIUMS

We carry a complete stock of fish bowls and aquariums and will be glad to quote on the various kinds and styles.

WATER PLANTS

Anacharis Moss .....15c per bunch; 2 for 25c
Parrots Feather .....10c per bunch; 3 for 25c
Eel Grass .....10c per plant; 3 for 25c
Water Hyacinths .....15c per plant; 2 for 25c

BIRD REMEDIES AND SUPPLIES

SPRATT'S REMEDIES AND SUPPLIES

Spratt's Pollicrackers.....$0.20
Spratt's Parrot Tonic..... .30
Cod Liver Oil Cage Nestling Food..... .15
Egg and Flake Mixture..... .25
Canary Leg Bands per doz..... .25

BIRD LICE DESTROYER. For dusting the feathers. Price, 25 cents.

PARROT FOOD. A mixed food for parrots which should be kept before them all the time. Cartons, 25c each.

MOCKING BIRD FOOD. The purest food obtainable for Mocking Birds, Robins, Nightingales, Thrushes, Black Birds, Skylarks, and other soft billed birds. Per tin, 30c.

HENNINGS' BIRD TONIC. For the prevention and cure of all diseases which cage birds are subject to. Colds, asthma, hard breathing, shedding of feathers out of season, diarrhoea, etc. When a bird is in good health, his feathers are sleek and smooth, adhering closely to the body. 25 cents.

CANARYDINE. For colds, asthma, etc..$0.25
COLOR FOOD. Red..... .25
ZEKE (Dried flies). A bird delicacy ... .10
ANT EGGS. For birds, turtles, etc.... .25

MISCELLANEOUS SUPPLIES

BIRD MANNA. Bird Manna is now more widely known than any article ever prepared by bird dealers, soley upon making its merits known and having been tested. Bird Manna is put up in metal cases, secured by letters patent and is fastened to the cage wires, within easy reach of the bird. Price, 15c each.

BURROW'S PURE COLOR FOOD. All prepared and ready to use. This color food imparts the rich orange color to canaries so desired by breeders and exhibitors. Large can, 60 cents.

MADAM SHAFER'S NESTLING FOOD. The best food for young birds. Not only does it take the place of egg in the diet, but by being scientifically prepared contains all the ingredients necessary for the nourishment and growth of the young birds. Price, 35c.

MADAM SHAFER'S TONIC AND SONG RESTORER. As a general tonic it is unequalled. Fed during the moulting season will hasten the moult and restore the song. Price, 35c.

GERMAIN'S ROLLER BIRD SEED. Bright clean, pure and wholesome, specially mixed by us according to the recipe of a famous German specialist. Germain's name and reputation are its guarantee. Price per package, 20 cents.

GERMAIN'S BRAND SILVER WASHED BIRD GRAVEL is especially prepared for cage birds. To properly care for the bird, clean the cage and sprinkle the bottom with this gravel once a day. Per package 10c.

	Per lb.
Mixed Bird Seed	$0.15
Roller Mixture	.20
Hemp	.10
Cuttle Fish Bone	.65
Lettuce Seed, for birds	.20
Millet, White French	.20
Sunflower, Russian	.20

DOG AND CAT REMEDIES AND SUPPLIES

We maintain a highly efficient, well equipped dog and cat department—carrying a full line of the Spratt foods and remedies as well as the famous Clayton remedies. This department is under the supervision of experts who can give you authentic information and advice on the feeding and proper care of dogs and cats. We want our patrons to feel at liberty to ask for any information at any time.

CLAYTON'S DOG REMEDIES

DISTEMPER is an acute contagious disease. The nervous system is generally, if not always, involved, and there is a characteristic skin eruption to be found, but not present in all cases.

This disease has been treated for 35 years very successfully with CLAYTON'S DISTEMPERINE TABLETS for all ages and all breeds. A trial will convince you.

	each		each
Blood Purifying and Cooling Pills	$ .60	Goitre Cure	$1.00
Canker Lotion	.60	Hair Tonic	.60
Ceoline Dog Wash	.35	Kilflea Soap	.25
Ceoline Soap	.25	Kilflea Powder	.35
Cream Soap	.25	Laxative Pills	.60
Condition Pills with Pepsin	.60	Mange Remedy	.60
Chorea Tablets	.60	Puppy Tonic	.60
Cough Cure	.60	Puppy Worm Bullets	.60
Diarrhoea Cure	.60	Rheumatic Tablets	.60
Distemperine Tablets	.60	Shampoo	.25
Digestive Tablets	.60	Skin Lotion	.60
Eye Lotion Tablets	.60	Sulphur Tablets	.60
Fit Cure	60	Tape Worm Expeller	.60
		Vermifuge	.60
		Worm Pills	.60

SPRATT'S DOG FOODS

"SPRATT'S DOG CAKES

Composed of meat, wheat and vegetables. The standard food for dogs. A staple and constant food for all breeds. Used at leading kennels and Dog Shows throughout the world.

Prices. 100-pound bags, **$11.75;** 50-pound bags, **$6.10;** 25-pound bags, **$3.15;** 10-pound bags, **$1.50;** 5-pound bags, **80c;** cartons, **40c.**

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Spratt's Anti-Asthmatic Tablets	.50
Spratt's Anti-Vomit Tablets	.50
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Spratt's Antiseptic Soap	.50
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Spratt's Consumption Capsules	.50
Spratt's Chorea Tablets, for Chorea, St. Vitus Dance, etc	.50
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Spratt's Digestive Tablets, for severe cases of indigestion	.50
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Spratt's Liniment, for Rheumatism, Sprains, Lameness,	.50
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Spratt's Locurlum Ointment	.50
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Spratt's Tonic and Condition Tablets for Toy Dogs and Puppies	.50
Spratt's Distemper Tablets for Toy Dogs and Puppies	.75
Delceo, for distemper, etc	1.50

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Soap	.25
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Upper Left—PADRE—A color distinct from any other rose Coppery orange crimson with yellow shadings at the base of the petals. Long pointed buds One of the finest of the new roses both for its exquisite form and beautiful color Each $1 00 postpaid.

Center left—KAISERIN AUGUSTE VICTORIA—Not a new rose but the outstanding white rose A hybrid tea, blooming frequently with superb buds and blooms of pure white with cream tints in the center of the open flowers. A rose that should be in every garden. Each 40 cents postpaid

Lower left—WILLIAM F. DREER—A rose of the same parentage as Los Angeles with the same form, and very beautiful in all stages of development. Salmon yellow in color the yellow suffusing the entire flower, the base of the petals a rich golden yellow. Each 75 cents postpaid.

Upper right—GOLDEN EMBLEM—In many respects the most perfect yellow rose The photograph gives but a faint idea of its excellent form. Golden yellow throughout with the outer petals stained and striped red. A boquet of this rose is of marvelous beauty Each $1 00 postpaid

Center right—ROSE MARIE—A magnificent American novelty that for color and shape is probably the finest pink rose grown Long and pointed buds with large, rounded petals. Equally effective in bud or open flower Each 60 cents postpaid

Lower right—HOOSIER BEAUTY—Among the deep red roses there is hardly any that will compare with Hoosier Beauty A hybrid-tea of American origin that attained great popularity at its first introduction. Each 75 cents postpaid

ONE EACH OF THESE SIX OUTSTANDING BUSH ROSES, $3.65 POSTPAID